AMERICAN RAILROAD JOURN

STEAM NAVIGATION, COMMERCE, FINANCE,

ENGINEERING, BANKING, MINING, MANUFACTURES.

ESTABLISHED IN 1831.

PUBLISHED WEEKLY BY JOHN H. SCHULTZ, AT NO. 9 SPRUCE ST., NEW YORK, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. XXXIII., No. 29.]

SATURDAY, JULY 21, 1877,

erto sustained by the dropping off of nuts from roads is found in the flexible car-box washers.

[WHOLE No. 2,152, Vol. L.

MR. FREDERIC ALGAR, No. 8 Clements Lane, Lombard Street, London, England, is the authorized European Agent for the JOURNAL.

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American Railroad Journal.

New York, Saturday, July 21, 1877.

American Machine Tools.

It required but slight observation to see a marked distinction between the machine tools as they were placed in juxta-position in the Machinery Department of the recent Centennial Exhibition. The workmanship and finish generally were excellent, but design and proportion differed in many particulars.

The Worcester tools could be distinguished from the Fitchburgh ones, and these again from those contributed in Philadelphia. At one time all the Eastern tools were distinguishable for an almost profusion of ornament consisting of architectural moldings, bright colored painting, etc. These have been modified but not altogether abandoned, as was observable in some of the tools from Worcester and New Haven. On the other hand some tools from Hartford, Fitchburgh and New York resembled those made in Philadelphia where the

ation and corresponds to modern practice in England. There is, however, an undoubted tendency toward the plain mode of construct. ing frames, and the moldings on lathe heads and tail stocks were not so numerous as might have been seen a few years ago. As far back as twenty-five years Joseph Whitworth & Co., of Manchester, Eng., discarded, if they ever had it, all architectural ornamentation on their tools. The frames were of the plainest description with perhaps a single border head, but the forms were singularly graceful, being elliptical or parabolic in outline. Their shaping machines and old "Jim Crow" planers will be remembered by some as examples of what we have stated. This same style for many years distinguished the tools constructed by William Sellers & Co., of Philadelphia, from others. The good example has been followed by many others and we opine that the ornate architectural style will be abandoned entirely in course of time as makers find their old patterns give out. By adopting plain surfaces castings can be more easily molded, and there are fewer receptacles for dirt when the tools are in use; they are better and more economical in all respects. Great originality in design and appliances was observable in the exhibits by William Sellers & Co., Bement & Son, of Philadelphia, George Corliss of Providence, the Pratt & Whitney Co., of Hartford, and the Fitchburgh Machine Co.; the latter company must have expended a large amount of capital in the introduction of new patterns.

Engineering, in speaking of American lathes, compares them with European ones, remarking the difference in general workmanship. "The latter (European lathes) are carefully fitted in all working joints, everything else is left plain and rough; but in America the whole machine is fitted up in one manner. The appearance of machine tools is a matter more thought of in America, and criticisms on the design, which generally means the framing, are often heard in style is plain without any architectural elabor- cases where nothing but working qualities India rubber or gutta-purcha. It has been ex-

would be thought of in England. The minute or detail fitting on Eastern-made lathes is exceptionally well done, and if the alignment and cross motion receive attention in proportionwhich we question-it is a wonder how the tools are produced at the prices for which they are sold." An enquiry from any of the engineers and machinists named above will, we think, fully confirm the statement we now make, viz: that within the few past years they have exported a very great number of tools and are continually receiving orders from abroad, which is sufficient evidence that American machine tools will compare favorably with those of European manufacture.

The attention now given, far more than previously, to standard internal and external measurements, standard gauges, and surface plates for obtaining true plane surfaces will react favorably in the production of all mechanical work and especially in steam machinery and machine tools.

A Remarkable Material -- Vulcanized Fibre

It is now three years since the material known as Vulcanized Fibre was first successfully applied to practical uses. Its wonderful properties have been gradually developed, so that it has become an important article of commerce and as valuable in the industrial arts as

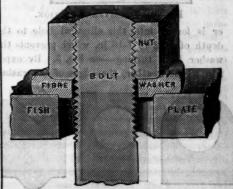


Fig. 1,-FISH-BOLT, WASHER, &C.

tensively applied to railroad purposes. For and rising around the edges of the nut hold it instance, fish-bolt washers as illustrated at Fig. 1, where the cut represents a section of fishplate, with bolt and nut, and vulcanized fibre elastic washer, showing the manner in which it works in use, indicating how it also "locks the nut." An examination of the cut will price from \$22 to \$12 50 per thousand. They make it clear how this washer of vulcanized fibre serves not only as a permanent elastic cushion but also makes a perfect nut-lock, the object being to prevent the immense loss hitherto sustained by the dropping off of nuts from



Fig. 2.—EXTERIOR FORM OF WASHER. railroad bolts which on a line of great extent has been a source of great trouble and expense -one of far greater magnitude than would at first sight appear. The exterior form of the

washer is shown on a larger scale at Fig. 2.

The washer is placed on the bolt next to the fish-plate, and the nut screwed down hard upon it. As a rule, the holes in a fish-plate are elliptical, to allow of the contraction and expansion of the rail longitudinally, and when the nut is screwed down a portion of the wash-

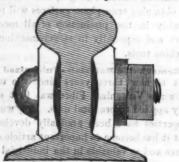


Fig. 3.—TRANSVERSE SECTION.

er is forced into this elliptical hole to the depth of 1-32 to 1-16 in. which prevents the washer from turning-see Fig. 3. By exposure to the weather, the edges of the washer



Fig. 4.—CAR-BOX WASHERS, ETC.

firmly in place. This rough appearance of the edges is not a sign of decay, as will be demonstrated by cutting with a knife.

These elastic Fish-Bolt Washers are made to suit 4, 4, 4 and 4 inch fish-bolts, varying in are in use on the Chicago and Northwestern, Atlantic and Pacific, Chicago, Burlington and Quincy, and many other railroads.

Another application of this material on railroads is found in the flexible car-box washers, "dust-guards," oil-box covers, etc.

These Washers, or "Back-straps," as they are sometimes called, are used on all railroad cars, as a packing around the axles where they enter the rear of the oil-boxes, to prevent the entry of dust and grit, and the leakage of oil. Heretefore leather has been used for this purpose, but soon becomes rotten and limp with the oil, rendering them useless. Vulcanized Fibre Washers are not affected by oil, grease or petroleum; do not cut the axles, as grit does not adhere to them, and will outwear sev eral leather ones. They are cut to order, of any desired pattern and thickness, as each railroad has its own pattern. They are now in use on many leading railroads, giving perfect satisfaction, and are also adopted by a majority of the largest Car Manufacturers in the United competition; and notwithstanding the fearful States and Canada.

Enough has been said to prove that this material has been thoroughly tested and its value appreciated by railroad companies, but there are a great many other purposes to which it has been applied, but which we can now only mention as journal bearings, bushings, electrical uses, roving-cans, condenser tube ferrules etc.

We now allude to the prominent characteristics.

Vulcanized Fibre has as its base vegetable fibre, in the shape of paper, or paper pulp, which is subjected to "vulcanization" (not by means of sulphur and heat, as in the case of rubber, but by powerful chemical treatment) whereby the original properties of the raw material are totally changed, and a new and very valuable material is produced.

It is absolutely insoluble in hot or cold wa ter, oil of any kind, petroleum, naphtha, alcohol, turpentine, ether or ammonia. It is exceedingly tough, strong and elastic, retaining these properties under all conditions of climate and ordinary exposure, and, as far as ascertained, for an indefinite period of time. Indeed, it is believed that, like the "papyrus" of the Egyptian mummies, it will last for thousands of years without deterioration. While it will absorb water, and thereby become expanded and more flexible, it will not absorb oil, petroleum or any other fluids, except so far as they may be diluted with water. In most instances, with the evaporation of the water, all foreign substances which may have been introduced in outside of the nut become swollen and rough, solution, will be expelled. It is an excellent

non-conductor of heat and electricity. It has remarkable anti-friction properties, being entirely free from grit, more durable than brass or Babbitt metal, and requiring very little lubrication. It can be manufactured in a great variety of qualities and shapes, adapted to different uses, some of the goods being almost as hard as ivory and as tough as horn, while others so closely resemble leather and sheet rubber as to deceive almost any ordinary person. Probably a better idea of the character and practical value of this material can be obtained, however, by an enumeration of the different kinds of goods now being made, and the uses to which they are applied. The various patents under which these goods are manufactured, are owned by the "Vulcanized Fibre Company," a close corporation, organized under a special charter from the State of Delaware, and having extensive works in the city of Wilmington, in that State. Here they have for the past two years been quietly at work, experimenting, testing and developing the manufacture of these goods, expending large amounts of money for special machinery, etc., until finally, within the past two years, they have put upon the market thoroughly tested goods of various kinds, which for excellence in quality and cheapness, are beyond depression of business, which has affected all branches of trade, the sales of the company have increased from month to month at a rate that has compelled a steady ircrease of manufacturing facilities, to keep pace with the de-

The New York office of the company is at No. 17 Dey Street, where the president, Mr. William Courtenay, makes his head-quarters and where several beautiful specimens of Vulcanized Fibre can be seen.

Columbus and Hocking Valley Railroad.

The stockholders of the Columbus and Hocking Valley Railroad Company, at their last annual meeting, had under consideration the reported discoveries of large and valuable veins of iron ore which were being made so generally throughout the territory tributary to their road. That the company might avail itself of all benefits which would accrue from prompt action in possessing the land, and yet that no mistake should be made through undue excitement, the stockholders instructed the directory to have a thorough and reliable examination personally made by a committee of the directors, and if the committee became satisfied that the facts would warrant the building of one or more branches, that such branches should be forthwith built to reach points where the land owners were about to build or were actually in progress of constructing substantial furnaces.

A committee of directors most largely interested as stockholders, and quite conservative in their notions, made the examination, and became satissled that existing facts and assured prospects would warrant the building of at least two branches at this time. Thereupon the construction of the Monday Creek and Snow Fork branches was ordered. They are now being constructed, and the track will be laid on a part thereof within

the coming month.

It has been the policy of the company from the beginning to reserve unissued a part of its capital by funds coming from the issue of the reserved stock, thus making "pari passu" an increase in length of road, with increase of capital stock. The late discoveries of iron ore—the existence of which, it is most singular to say, should not have been known long before this—have brought about a condition of affairs most agreeable to stockholders, inasmuch as the stock reserved to be issued for coal purposes is now required for a new and more valuable commodity, found in the territory where it was originally supposed the coal branches would have to be built.

At the last meeting of the directors they determined that rather than place the reserved stock on market for sale, it was better to allot it pro rata to the stockholders as a stock dividend, and to use the funds, which otherwise would have been paid to the stockholders as a cash dividend, in the

construction of the branches

Accordingly they ordered that the regular August dividend of four per cent, be paid in stock of the company at par. The stockholders thus, within themselves, without going outside for funds, will lengthen their road and greatly improve their property. The branches to be built will no doubt add to the earnings of the company far more than the sum required to pay dividends on the newly issued stock,—Ohio State Journal.

Cincinnati and Muskingum Valley Railway. The earnings of this road for the years ending

Decer	nber 31, 1875 and	1876, we	re:		417
	el, or published 2	1875.		1876.	
From	passengers	\$121,844	83	\$101,794	
66	freight.,	257,780	73	206,033	84
46	express		65	3,424	06
46	mails		00	9,837	
16	rents	727	80	768	50
44	miscellaneous	325	82	500	95
	parallel parallel	\$396,227	28	\$322,359	10

A STATE OF THE PARTY OF THE PAR	\$396,227	28	\$322,359	10
Expenses, viz:			steps ages	
Conducting transp	\$77,934	62	\$72,297	37
Motive power	105,084	22	89,460	68
Maintenance of road		59	124,192	12
Maintenance of cars		05	26,244	42
General expenses, in- cluding taxes		12	17,548	89
	\$360,482	60	\$329,748	48
Net earnings	\$35,744	63		•••

To which add interest for one year on the bonds of the company, paid by the lessee 105,000 00

Making a total loss to the lessee of ... \$112,384 83

87.874 38

The amount advanced by the lessee for account of deficiency in earnings sufficient to meet ex-penses, and for interest on the bonds of the company to December 31, 1876, was. \$382,343 76 Add amount expended by the lessee

for betterments 5.458 85

Total\$	387,797	11
The company is also indebted to the	in course	
lessee for earnings received in the		8 19
laterim between the date of the		
lease, Jan. 1, 1873, and the time the		
road was actually delivered, May 1,		
1878	3.812	70

Making the total indebtedness to the Pittsburg, Cincinnati and St. Louis

Railway Co., Dec. 31, 1876 \$391,609 81 The road is 148.4 miles in length, extending from Dresden Junction, on the Pittsburg, Cincinnati and St. Louis Railway to Morrow, on the Little Miami Railroad.

The equipment of the road January, 1877, consisted of 14 locomotives, 10 passenger coaches, 2

stock, under the belief that future coal developments would require the building of branches.
When that time should come they would be built
by funds coming from the issue of the reserved

Tons of local freight carried in 1876, 163,907 foreign freight, 28,881-total, 192,788, against 206,373 in 1875, a decrease of 13,585. Total mileage of freight, 9,775,811. Av. rate per ton per mile, 2.11 cents.

Number of local passengers carried in 1876. 180,620; foreign, 6,012-total, 186,632, against 215,798 in 1875, a decrease of 29,166. Total mileage of passengers, 3,625,689. Av. rate per passenger per mile, 2.81 cents.

CCOUNT. Dec. 31, 1876.

INCOME ACCOUNT, Dec. 31, 101	0.0	
Balance, December 31, 1875 \$	217,106	21
Interest on 1st mortgage bonds	105 000	00
Expenses, as above	329,743	48
Expenses of organization		28

Total \$652,972 87 Earnings, as above..... \$322,359 10 Balance to debt of general account.. 330,618 77

Total, as above \$652,972 87 GENERAL ACCOUNT, Dec. 31, 1876.

Cost of road, equipment, etc\$5,540,164	88
Supplies transferred to lessees 18,690	00
Cash 52,782	88
Suspended accounts 4,838	67
Income account, balance to debit of 820,613	77

meets a view entimental test	\$5,941,589	20
Capital stock	\$3,997,320	00
First mortgage bonds	1,500,000	00
Due lessee, for advances	891,609	81
Coupons due Jan. 1, 1877	52,535	00
Miscellaneous	124	89

\$5,941,589 20

President .- THOMAS D. MESSLER.

Directors.—Thomas D. Messler, George B. Rob erts, Charles Moran, James Buckingham, M. Churchill, G. W. Adams, D. S. Gray.

Secretary and Treasurer .- C. C. WAITE.

Ogdensburg and Lake Champlain Railroad. The Twelfth Annual Report of the Ogdensburg and Lake Champlain Railroad Company commences with an extended summary of the negotiations and litigation with the Central Vermont Railroad, terminating with the settlement by which the Ogdensburg and Lake Champlain Railroad Co. agreed to pay the Central Vermont \$50,000 and stop all suits, thereby vacating the receivership and coming into full possession of the road and property. This settlement the directors consider a wise one, under all the circumstances. The cars and engines, except a few freight cars, have been delivered into their hands, and although the freight cars have depreciated in value they will be efficient for use for several years by the expenditure of \$12,000 to \$15,000. The track will require 1200 to 1500 tons of iron or steel. The locomotives are in good condition; the equipment consists of 1003 freight cars, 17 baggage and passenger cars, and 32 locomotives. The report continnes .

Notwithstanding the low rates received for freight as compared with rates ruling five years ago, it is believed that the road will soon earn something for the holders of its common stock, in addition to paying the interest upon its bonds, and dividends upon its preferred stock. The exmost in the same ratio as its earnings; iron, steel, and other important articles, are reduced to one-

The Delaware and Hudson Company have completed their road from Whitehall to Rouse's Point, thereby giving us a valuable connection to New York, as well as to Eastern points.

The Portland and Ogdensburg road will in a weeks be completed, giving as not only a valuable connection to Portland, but a new avenue to Boston; and, what is of equal value, both roads open a large extent of country to be supplied with grain and flour, giving us better rates than the through business

Notwithstanding these new and important connections, we look upon the Central Vermont road as our natural avenue to Boston and to the principal New England points; and our relations with that road are of the most pleasant and harmoni-

ous character.

The deepening and widening of the Welland Canal, now in progress, and which will be completed in the course of another year, will add largely to the business of our road, admitting, as it will. steamers of the capacity of twelve hundred tons to Ogdensburg, whereas now we are restricted to vessels of three hundred and fifty tons. This imrrovement will open to us the whole navigation of

The company is free from litigation; it has no law suits; its floating debt has been reduced since April 1, \$32,000, leaving to-day a floating debt of only \$78,000; and its financial condition will compare favorably with that of any road in the coun-

The financial statement shows that up to March 31, 1877, the receipts and balances had been \$307,-729 46, and the payments \$276,034 10, leaving a halance of \$31,695 36. The road stands for \$6,-184,800 97.

The Fond du Lac (Wis.) Commonwealth notices the arrival at that place of two coaches for the Fond du Lac, Amboy and Peoria (narrow gauge) Railway: one of which is 85 feet long, and will seat about forty passengers; the other is of the combination order with both passenger and baggage accommodations, is 40 feet long with 10 feet of baggage room, and will seat about 36. The company is about to receive a new freight engine, and are contracting for a number of box cars, The track is now completed 10 miles out of the city, and the work of construction is going on rapidly each day.

At a recent meeting of the directors of the Louisville and Nashville Railroad Company it was stated that the earnings for the fiscal year ending June 30, 1877, were over \$350,000 above the interest of the bonded debt. \$185,000 was appropriated for a dividend of 11/2 per cent, and the remainder devoted to the reduction of the liabilities of the road. These facts speak eloquently in favor of the able management and mark the financial wisdom and success of Louisville's great enterprise-one of the most thoroughly equipped and best conducted railroad lines in America.

The route and terminus of the Massillon and Coshocton Railroad has been changed. That part of the line of the proposed road lying between Barr's Mills, Stark county, and Massillon, is changed to run from Barr's Mills to Canton, thence through Stark, Summit and Cuyahoga counties to Cleveland. This changes the northern terminus from Massillon to Cleveland, The southern terminus, Coshocton, remains unchanged. Ex-State Senator R. B. Dennis is President of the company.

Validity of Bonds in which the Wrong Act is Cited-Presumption in Favor of Trans ferees of Negotiable Securities.

The following decision has been rendered by the Supreme Court of the United States :

No. 581-The Board of Commissioners of the County of Johnson, Plaintiff in Error, vs. Derrick A. January.—In error to the Circuit Court of the United States for the District of Kansas.

This is an action brought to recover the amount of certain coupons taken from bonds issued by the plaintiffs in error to the St. Louis, Lawrence and Denver Railroad Company, of which bonds the defendant in error was the holder. By consent of the parties the case was tried by the court without a jury. The court found the facts, and gave judgment for the defendant in error. The plaintiffs in error thereupon brought the case to

liscourt for review.

There is no dispute between the parties as to the leading facts of the controversy. The proper authorities submitted the question to the electors of the county whether the county should subscribe for \$100,000 of the stock of the company to be paid for by issuing its bonds to that amount. The election was ordered on the 25th of January 1869, and took place on the 6th of April, 1869. The proposition was sanctioned by a majority of more than two to one. The bonds were thereafter executed and deposited as escrows. On the 22d of May, 1871, the Commissioners made an order that they should be delivered, and they were de livered accordingly. A certificate of stock wa issued and delivered by the company and is still held by the county. It has never been surren-dered nor offered to be surrendered. The bonds were signed by the Chairman and Clerk of the Board of Commissioners and attested by the Coun ty Treasurer. There was in each one a recital that this bond is executed and issued by virtue of and in accordance with an act of the Legislature of Kansas entitled 'An act to authorize counties and cities to issue bonds to railroad companies,' and in pursuance of and in accordance with the vote of a majority of the qualified electors of the County of Johnson at a regular election held on the 6th day of April, 1869." Each one bore also the following indorsement :

I, A. Thoman, Auditor of the State of Kansas, do hereby certify that this bond has been regularly and legally issued; that the signatures thereto are genuine, and that the bond has been duly registered in my office, in accordance with an act of the Legislature entitled an act to authorize counties, incorporated cities, and municipal townships to issue bonds for the purpose of building bridges, aiding in the construction of railroads or other works of internal improvements, and providing for the registration of such bonds and the repealing of all laws in conflict therewith," approved March 2, 1872. "Witness my hand and official seal, this 21st day of March, 1872."

The certificate is authenticated by the official signature and seal of the Auditor. The road was finished and has since been in operation. county and its inhabitants are in the enjoyment of the benefits arising from it. There is no imputation of any taint of fraud upon either side. The county authorities paid the interest upon the bonds for a time. The county has received what it contracted to receive, and has paid what it contracted to pay. The plaintiff in the suit is the bona fide holder of the bonds. A case of stronger

equity can hardly exist.

Several objections have been taken to the validthe bonds. They have been elaborately and ably argued upon both sides. The view which we take of the controversy renders it necessary to advert to but one of the objections, and to that one briefly. Our judgment will be placed upon a different ground. The act mentioned in the cital in the bond was erroneously referred to. The act does not affect the case, and may be laid out of view. The act of Feb. 29, 1868, was in force when the order for the election was made. It gave ample authority for making the order, and for all that was subsequently done,

It is incisted that this act was repealed by the act of Feb. 27, 1869; that the order for the election fell with the act repealed, and that, consequently, the election was held without any legal authority. Such repeal, so far as regards the auhority to make the order, and the continuing efficacy of the order, is sirennously controverted upon the other side. Whatever may be the fact, it is not and cannot be denied that, after the passage of the act of 1869, all the proceedings were in strict conformity to its requirements. It was in force before the election was held and until after the bonds were issued and delivered.

This act, like the act of 1868, authorized the Commissioners to issue the bonds when the re-quirements of the law had been complied with They were thus constituted a tribunal for the ad justment of all questions touching the subject. They were clothed with the power and charged with the duty to decide them. No appeal or review was provided for. Their issuing the bond was the reflex and embodiment of their judgment that it was proper to do so. It implies a prior determination to that effect. The fact carries with

it this presumption.

In their recital the bonds say that they were issued in conformity to law, and in pursuance of the election held on the 6th of April, 1869. It is true they refer to the wrong statute, but falsa de-monstratio non nocet. The bad here does not burt the good. The act of the Commissioners was the act of the county, and the county is conclusively bound by what they have done. As between the county and a bona fide holder, no question involving the infirmity of the securities can be raised The principle of estoppel applies and precludes the obliger from interposing such a defense Whether the certificate of the Auditor of State. indorsed on the bonds, has or has not the same effect is a point not necessary in this case to be considered. Taking and holding the certificate of stock, issuing and delivering the bonds, and paying the interest for a time, cured the defect as the order for an election, if any such existed. Under the circumstances a bona fide taker had a right to presume that everything had been properly done which was necessary to the validity of the bonds. When this suit was instituted the objections which have been made were too late. Affirmed.

Mr. Justice Swayne delivered the opinion.

Atlantic and Great Western Railroad.

In the Supreme Court on the 13th inst., Judge Daniels rendered the decision on the motion of Charles M. D. Costa, representing the Franco-Egyptain Bank, to set aside an ex parte order obtained in the suit of William M. Taylor and another, as Trustees, against the Atlantic and Great Western Railroad Company and others. The bank applied as the owner of \$1,800,000 of the mortgage bonds of the company. The facts of the case, as well as the decision of the court, are stated in the following opinion of Judge Daniels:

An action was brought to the State of Ohio to foreclose a mortgage given upon the property of the Atlantic and Great Western Railroad Company; and to make the foreclosure entirely complete other actions were also prosecuted for the same purpose in Pennsylvania and this State. As the greater portion of the property was situated in the State of Ohio, the suit pending there was considered, as it was, the principal action. An argument was made having the sanction of the greater part of the boyd owners secured by the first mort gage, for a three years' extension of the time fixed for the payment of their bonds, for the consideration that their interest should be paid in gold coin. It was subject, however, to the sanction of the proper court in the state of Ohio. An application was thereupon made to obtain the sanction of the court, which was required to render the agreement effectual, and upon a hearing of the parties that was secured. After that an application without notice was made in the action pend-

ing in this court for a similar order, and the learned Justice then presiding, upon being assured that the application had the assent of all the parties, directed the order to be made, and it was accordingly entered. It now turns out the assurance giver to the court resulted from a misapprehen-sion of the facts. The parties appearing and answering in the case had not assented to the entry of the order in this court, but were determined to contest its validity and to that end had taken an appeal from the order made in Ohio. If these facts had been made known to the learned Justice presiding in this court when a similar order was applied for here the application would not have be allowed to succeed. So much has been secured by way of information from the learned Justice himself, and in that respect his views are entirely in accordance with the settled practice of this court, which requires notice of every proceeding in an action to the adverse or contesting parties who have appeared. It is no answer to the absence of notice that they may have no rights or interests to be injuriously affected by the application. Upon that subject they are not to be concluded by the views of the applicants, but are entitled to an opportunity to be heard for themselves. That was the well established rule of the practice existing before the code, and it has been preserved and continued by the succeeding system, which contemplates the service of notice of all proceedings in the action upon the parties appearing for the protection of their rights, and the right to such notice has not been made dependent upon the fact that actual interests may be owned by them which in some evert could be adversely affected by the proceeding designed to be taken. After providing for the manner of serving notices, it has been declared that where the defendant shall not have demurred or answered, service of notice or papers in the ordinary proceedings in an action need not be made upon him, unless he be imprisoned for want of bail, but shall be made upon him or his attorney if notice of his appearance in the action has been given. [Code, section 414.] By a very clear implication this section required notice of the application made for the order which was obtained. It defined the only case in which notice of ordinary proceedings was not intended to be required, and as this was not a case of that description, the right to notice clearly existed on the part of the defendants now applying for a vacation of the order. They have appeared and answered in the action, and were entitled to notice of the application before the order could be properly made. The motion to set the order aside must therefore be allowed to prevail with costs.

Charles M. Da Costa appeared for the motion, and W. W. MacFarland, in opposition.

Lake Shore and Michigan Southern Railway.

In the Special Term of the Supreme Court, on the 14th inst., Judge Barrett rendered a decision in the suits brought by George S. Boardman and ten others against the Lake Shore and Michigan Southern Railway Company, tried by him several months ago. Mr. Boardman holds twenty-three shares of the guaranteed ten per cent stock of the Michigan Southern Railroad Company, and all the other plaintiffs hold certificates for more or less stock-some by original purchase and some by transfer. These suits have been in litigation for the last ten years, and the question in dispute was whether, after the consolidation of the Michigan Southern and Northern Indiana Railroad with the present defendant's company, which assumed all the former company's liabilities, the defendants were bound to fulfill the contract on the certificates of stock issued in 1857 to pay dividends on such preferred stock. The main defence set up by the company was the statute of limita-tions, acquiescence in the non payments of arrears, waiver, estoppel and equitable laches. In deciding the case Judge Barrett says that in the case of Prouty, one of the present plaintiffs, the General Term has decided the validity of the guaranteed stock, the liability of the consolidated corporation and the general right of the stock-holders to arrears of dividends and interest therefrom the time when they should have been paid, which leaves only for discussion the suf-ficiency of the proofs of the rights of each plain-Taking up the various points in their order; he holds that the defendants are a corporation de facto and de jure. The plaintiffs, he further holds, must show that they held guaranteed stock issued by the old company in 1857; that the certificates of transfer of later date do not indicate a new issue, but a transfer of the original one, and merely a substitution of shareholders; that the plaintiffs are all holders of guaranteed ten per cent stock of 1857, and that the holding of transfer certificates does not give a right to previous dividends but to subsequent dividends, even from profits previously made. Ic this case he says the word dividend" does not mean a technical dividend issuable at the judgment of the managers, but a specific payment which the company is bound to pay out of its not earnings, for which they be-come liable on making not earnings, even though they do not make profits. He holds, moreover, that these are not actions to compel a declaration of dividends, but to compel the company to fulfill its contract to pay them. He also decides that there is no bar by the statute of limitations, the original contracting company being a foreign corporation and the suit having been commenced within six years since the consolidation. He overrules the objection as to estoppel, but says, however, that with regard to certificate transfers after the obligations to pay matured, the acceptance of future dividends by the holders of certificates without putting in a claim for arrears tends to stamp the understanding with which the transfer was made and indicates very decidedly their own conception of what had passed to them. In conclusion, he gives judgment for arrears, with interest, in favor of ten of the plaintiffs, but dismisses the suit in the case of the executor of Mr. Volsin, whose certificate is dated July, 1870.

Lever and Cam Valves.

Wherever steam, water or gas are used, a greater or less number of valves are necessary for regulating the supply, and in order to prevent leakage and to ensure safety, the construction of suitable and efficient valves has received much attention from engineers and mechanics in general. That there are an immense number of valves of various descriptions



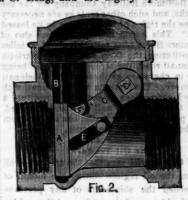
fied hashile Fig. 1.

in use will readily be admitted, but the fact that engineers, manufacturers, and, indeed, we may say the public in general, have frequent divisions and indications can easily be marked trouble with leaky and imperfect valves, and and noted, and in cases of emergency with that much annoyance and damage result from

trivances of this description that shall have the inherent properties of simplicity, tightness and non-liability to get out of order.

An examination of the valves represented here will show that these qualities have been attained, and that a peculiar method of construction secures all that is desirable.

These lever and cam valves were patented April 20th, 1875, by Henry S. Lansdell and John S. Leng, and are highly spoken of by



those who have them in use. Fig. 1 represents the exterior and Fig. 2 the interior of one of the valves. Reference being made to these, the operation may be understood by the following description: The gate, A, moves on guides, B B, which are arranged to prevent friction by keeping the gate, when moving, from contact with the seat and wall of the valve chamber. The gate is opened and closed by means of the lever arm, C, attached to the rock shaft, D, and working in the slot, E. When the gate is nearly down, the cam, F, forces it forward and down to its seat. One quarter turn of the wheel, G, (which may be replaced by a straight arm or lever), opens or closes the valve. The projection, H, indicates the position of the gate. Valves larger than 24 inches are provided with compound power for opening and closing.

The combination valve, Fig. 3, constructed for use on pipes erected on the outside or inside of buildings as a precaution against fire, is made of iron, with brass gate, cap and stuffing gland, and combines, in one piece, valve, Y, nipple, cap, flange union and New York Fire Department standard male thread. The advantage of this combination in saving labor will be readily appreciated. The facility with which it is opened and closed is especially valnable in case of fire.

The good features that are apparent in these valves are, first, the rapid manner in which they can be closed, one-quarter turn being sufficient, while in ordinary globe valves several turns are necessary to open and close fully and there is no indication of speed, motion or quantity given by any opening of the valve; but in one-quarter of a turn of this valve, substeam machinery, the steam can be shut off inthe same cause, proves the demand for con-stantaneously. Attended of energy and isd.



A second advantageous feature is the arrangement of the cap seen screwed in Fig. 2. The removal of this cap enables a ready and full examination of the valve, and the displacement of any obstruction. Other advantages are, that there is a straight open passage the full size of the pipe; the valve is very compact, as it only occupies about one-half the space of ordinary valves; the parts are so arranged that all the pressure bears on the back of the gate, and it therefore serves to maintain the valve tight; its freedom from friction; as soon as the gate leaves the seat, it is entirely free; the parts are interchangeable, and the valves are made from the best steam metal.

Various styles and sizes of these lever and cam valves are furnished by Messrs. Leng & Ogden, iron and steel merchants, 4 Fletcher street, and 212 Pearl street, New York city, who were awarded a special medal and diploma for them at the recent Centennial Exhibition held at Philadelphia last year.

Holders of Sunbury and Eric Railroad bonds dated September 10, 1857, and maturing October 1, 1877, secured by a mortgage to Charles S. Boker, trustee, who desire to extend the time for payment until October 1, 1897, can now do so. The bondholders are requested, on or before August 15, to sign an agreement of extension and deposit their bonds at the Pennsylvania Railroad Company's office, in Philadelphia. Helders not availing themselves of the privilege will be repaid the principal of their bonds on and after October lat, after which date interest ceases, add to coat our bas aid o has we

The circular just issued from the mercantile agency of R. G. Dun & Co., states that the most encouraging aspect of the present time is the excellent prospect of the crops throughout the country. It is evident that a year of great production is vouchsafed to the country. Local trade in each section dependent upon that condition of things seems to promise fairly,

The branch from the New Jersey Southern railroad at Tom's river, connecting with the steamer for Seaside Park, was opened yesterday by a party of four hundred excursionists.

Internal Commerce of the United States.

The public printer has just delivered the first annual report on the internal commerce of the United States, This report covers a wide range of subjects, embracing the economy of transport by rail, the competitive forces which exert an influence over the internal commerce of the country and the principal commercial movements of the country.

The Canadian transit trade and the growth of direct trade between interior points at the West and points in the Atlantic and Gulf States, and direct trade between interior points in the United States and foreign countries, are fully discussed. The railroad problem is treated of at considerable length, both as to the United States and foreign countries.

It is said that the value of the railroads of the United States is about twenty-three times the value of the shipping engaged in our foreign commerce, and that the value of our internal commerce is twenty-five times the value of our foreign commerce; that eighty-seven per cent, of the grain shipped from the West to the seaboard during the last year was transported on rail lines, and that over ninety per cont, of the entire internal commerce of the country is on railroads. Although the total amount of the contributions of the government up to the close of the year 1876 in aid of railroad construction amounted to \$144,-000,000, embracing land grants and subsidies to Pacific railroads, yet this sum is only three per cent, of the entire cost of the railroad system of the United States.

It is stated that the government has from its organization collected elaborate statistics in regard to our foreign commerce at great expense but that prior to the appropriation for the preparation of the present work it had never instituted any means of collecting information in regard to our much more important internal commerce. The services of sixteen persons as experts have been secured, embracing secretaries of the boards of trade and chambers of commerce at the principal commercial cities of the country. The report is accompanied by thirteen maps, showing the prin cipal commercial highways, embracing rail and water lines.

Marietta and Cincinnati Railroad.

The Baltimore Sun, in reply to a letter of a correspondent, complaining of the non-payment of the interest on the bonds of the Marietta and Cincinnati Bailroad Company, etc., etc., makes the following comments which fully explain the purport of the letter, besides throwing much light on the subject :

The fact of the connection between the Baltimore and Ohio and the Marietta Companies doubtless did aid in strengthening the credit of the latter company, and probably did influence others besides our correspondent in purchasing the bonds, especially those under the third mortgage. It is equally true, however, as our correspondent remarks, that the bonds were not guaranteed by the Baltimore and Ohio, as an examination of the face of the bonds would disclose; and hence it was merely a matter of hope and trust that the Baltimore and Ohio, which had frequently aided the M. and C. by advances for the payment of in: terest, &c., would continue to do so, though it was under no legal obligation in the premises. The of a railroad can be easily traced by the line of day, however, seems to have come, in the stress clustering pegs, showing the homes of the stu-

able or deems it prudent no longer to make such

The Cincinnati and Baltimore railroad is leased by the Marietta and Cincinnati, the terms of the lease being that the dividend on the stock and interest on the bonds of the former shall be paid by the latter. The track of the Uncionati and Baltimore, a line of about seven miles, running into the city of Cincinnati, are necessary to the Marietta and Cincinnati's business, and hence the court, at the time of the appointment of a receiver, ordered, among the first payments to be made, that of " the rent due or to become due to the Cincinnati and Baltimore Railway Company for the use of its tracks, and such other rents as are necessary to preserve the rights of the company in its leased property." This would include the lease also of the Baltimore Short Line railroad, about 80 miles long, constituting the Objo end of the Marietta and Cincinnati road, the terms of the lease being the same in character as those of the Cincinnati and Baltimore. The Marietta and Cincinnati with their leased connections at each end constitute a first class through road, well built and equipped, and with proper rates for traffic has the prospect of much better results in the future.

The Oil Trade.

The Oil City Derrick says that the amount of oil taken from the oil regions during the month of June exceeded the shipments of any previous month in the history of the trade, and then adds:

The total amount shipped by the different routes was 1,295,657 barrels of forty-two gallons each, including the shipment of refined, reduced to crude equivalent. This is about 73,000 barrels in excess of May shipments.

The following table exhibits the amounts shipped by the different routes for June, 1877 :

Barrels By A. V. R. R. to Pittsburgh

By P., T. & B. R. R. to all points 297,289 By Shenango & A. R. R. from New Hope

From Bradford and Olean 99,798

The following is a comparative statement of the shipments of the first six months of this and the two preceding years:

e a lot will January	1875.	1876.	1877.
January	441,778	659,267	746,530
February	361,000	504,996	445,925
March	714,205	598,521	912,603
April		.570,198	845,845
May		596,997	1,222,015
June	692,948	830,236	1,295,657
mod Todal milvas.	GI GIOLLS	EURTURGO E	17 10 00

Total 3,597,778 8,775,215 5,468,105 From this it will be seen the shipments for the first half of this year exceeded those for the first half of 1876 by 1,692,890, barrels.

Railroads as Educators.

A correspondent of the Atlanta Constitution says that Chancellor Tucker, of the University of Georgia, has taken three maps of that State, divided into counties, and has driven a peg into each county to represent every student from that county. It is noticeable from a cursory glance at these pegs, that the bulk of patronage of the college comes from along the railroads. In fact, the course

east Georgia, and in the portion of Southern Georgia not penetrated by railroads, 10 or 12 counties may be seen without a single peg in them, presenting a broad and dreary waste. No better argument than this could be given of the enlightening influence of the steam engine and the iron rail.

Brooklyn and Coney Island Railroad.

During the past year the Coney Island, Park and Concourse Railroad Company and the Coney Island and East River Railway were incorporated under the General Railroad law of the State, The two roads were to run beside each other from Brooklyn to Coney Island. It has finally been agreed by the directors of the two companies to consolidate the roads, and an agreement to that effect, signed by the officers, now awaits the approval of the stockholders of each company. The stockholders of the respective roads will meet on the 10th and 15th of August to determine the matter. It is proposed that the route of the consolidated road be as follows: commencing on Atlantic avenue, between Classon and Franklin avenues, it will run between these to Washington avenue, near the entrance to Prospect Park, and then between Osean Parkway and the Old Copey Island plank road, to a point on the island near Engeman's Hotel. The cost of the road is estimated at \$300,000. Work on it is to be commenced within sixty days, the capital having already been subscribed. The locomotives are to be of full power and the road is to be of broad gauge, with steel rails and double tracks. In the populated portion of the city the road will run through an open cut, and sanction of the local authorities for the building of the road has been obtained, providing the company build suitable bridges at the street crossings. It has been decided to elect Hon. John A. Lots president of the company.

Five new cars for the steam motor line, which is to be run next month from the Brooklyn City Railroad Company's depot, corner of Twentyfourth street and Third avenue, along the latter thoroughfare to Fort Hamilton, are now being built at an average cost of \$3,100. The cars, which make no noise and no smoke, can be stopped and started with greater ease than horse cars, They will run on fifteen minutes' headway, connecting with Fort Hamilton, a distance of four miles, in twenty minutes.

The Supreme Court of North Carolina, in the case of Branch vs. the Wilmington and Weldon Railroad Company, decides that a common carrier is bound by the common law to convey goods, committed to him for that purpose, within a reasonable time, and on failure is liable in damages. It also declares that a common carrier, especially one having a monopoly, who invites public custom. is bound to provide sufficient power and vehicles to carry all goods which his invitation naturally brings to him.

The traffic receipts of the Midland Railway of Canada for the week ending June 80, 1877, were: from passengers, \$1975 80; freight, \$5945 32; mails and express, \$290 76—total \$8211:38; Same week last year, \$6661 55; increase \$1549 83. Total traffic to date, \$111,741 35; do. year of the times, when the B. and O. finds itself undents that have gone to the University. In north previous, \$125,153 67; decrease, \$13,412 32.

	R	AILR	OAD	EAR	NING	s-mo						
tchison, Top. & San. Fe: January. 1875	February. 78,410	March. 104,051	April. 112,474	May. 107,644	June. 104,437	July. 113,450	152,215	147,552 265,593	October. N 199,926 285,000	178,953 225,793	December. 152,584 204,447	Total. 1,520,359 2,486,582
1876	144,132 136,350	180,246 189,130	197,996 200,681	219,370 189,915	186,641 177,500	198,851	248,138	200,000	200,000			
entral Pacific : 1873852,860	694,015		1,129,469	1,373,675	1,301,202	1,214,551	1,251,622	1,392,125			1,116,366 1,370,334	
1874	804,044 906,159	882,423 1,136,263			1,738,370	1,536,225	1,553,014	1,567,622	1,615,974	1,508,000	1,279,000	6,970,018
1876	1,017,203	1,184,682	1,427,034	1,757,414	1,646,269 1,391,000	1,507,000	1,689,000	1,886,000	1,957,000	1,673,000	1,411,000	18,184,100
anada Southern:	12 b 4 7	OUT THEFT IS	AND PORT THE		96,599	104,897	104,038	117,109	149,552	131,376	126,552	1,254,386
1875	41,501	82,255 165,431	106,755 168,452	102,546 123,088	111,008	108,787	148,968	158,618	156,986	124,838	109,567	1,681,348
1877	133,365	153,682	172,973	149,312	150,236	W 7 60				(254)	8	F 400 F41
1873347,379 1874344,420	396,307 339,876	420,89 3 362,342	409,472 384,335	430,184 397,683	475,819 496,815	540,342 464,438	596,708 480,056	560,858 524,042	564,633 550,950	410,907 416,544	344,046 364,725	5,497,541 5,126,228
1875319,928 1876305,597	328,219 346,850	363,627 355,527	367,956 364,000	351,004 423,645	382,233 451,083	387,445 403,671	411,960 510,795	490,283 524,244	489,019 532,868	395,779 367,898	369,311 374,351	4,656,764 4,960,529
1877338,807	333,459	346,308	338,095	321,256	362,522							
chicago and Northwestern: 1873	765,249	967,258	1,034,023	1,256,072	1,309,579	1,249,445		1,520,638	1,516,583	1,075,908	1,052,915	13,816,465 13,361,689
18741,014,514 1875825,469	900,765 671,784	1,024,061 970,064	1,080,193	1,290,596	1,163,522 1,052,890	1,011,685 1,257,892	1,098,634	1,254,255 1,206,806	1,407,975	1,065,726 1,196,333		12,811,227
1876	854,627	944,450	919,978	1,090,752	1962					*********	*******	*******
1873334,715 1874654,426	423,716 657,497	555,287 576,271	574,258 742,051	805,802 964,930	929,211 886,709	834,341 749,215	767,871 704,373	1,193,210 798,859	1,012,741 862,153	771,780 694,250	843,199 662,283	9,046,124 8,953,017
1875466,101	323,273 517,112	502,765	639,669	718,465	742,169	842,395	630,516	741,206	974,262	927,030	747,893	8,255,744
1876	405,000	567,641 469,000	650,961 515,000	819,562 606,000	877,693 589,000	685,270	569,775	645,831	817,259	765,230	610,288	8,054,171
Clev., Col., Cin. & Ind.: 363,921	413 043	448,924	413,443	436,459	411,260	393,806	465,503	466,796	423,893	327,804	322,596 325,399	4,887,448
1874	292,730 255,239	328,537 301,666	352,993 304,424	317,881 303,689	345,188 285,947	338,572 291,386	418,721 306,105	387,376 383,550	409,237 364,738	353,564 367,295	325,399 333,038	4,248,606 3,774,217
1876296,258	329,321	299,675	297,526	315,950	320,783	263,177	335,895	367,601	333,298	282,631	234,343	3,676,458
Erie: 18721,332,994	1,294,076	1,460,174	1,548,813	1,775,324	1,463,961	1,550,023	1,525,243	1,643,464		1,704,374		18,694,096
1873	1,329,422	1,515,382 1,430,911	1,541,958 1,556,922	1,754,821 1,646,139	1,717,593 1,648,988	1,784,894	1,820,756		1,825,630 1,680,196	1,529,307 1,447,666	1,522,585	19,548,617 18,136,787
1875	1,101,631	1,074,743	1,423,386	1,556,521	1,570,470	1,534,098	1 497,529	1,538,089	*******	••••••		
1875 94,532	116,286 156,111	138,779 174,335	147,439 148,573	125,890 141,289	122,455 141,426	113,131	153,068 171,381					The state of the s
1876142,968 1877122,800	136,160	162,000	194,573		141,420	130,001						
Illinois Central : 1873	597,429	660,759	553,912		742,600						703,692	8,268,32
1874	517,674 481,681	561,793 595,519	586,962 610,459	672,234 604,881	692,416 602,505	627,454 715 899	711,969 613,446		838,307 816,508	668,943 773,092		
1876	577,702	580,004	530,269 447,409	606,134	666,125	494,529	600,179			575,306	532,867	7,040,96
Lake Shore & Mich. South'n:		1 504 470	melner o							100000		17,699,93
18721,349,275 18731,445,220	1,600,933	1,774,128	1,709,880	1,663,040	1,604,448	1,446,956	1,566,914	1,791,376	1,785,186	1,433,735	1,572,693	19,414,50
18741,569,750 18751,163,564	1,037,518	1,287,841		1,100,142	1,055,699	1,079,808	1.178.324	1,306,826	1,392,487	1,275,955	1,280,371	17,146,13 14,434,19
1876	1,095,529	1,193,734	1,179,898	1,178,639	1,142,228	1,020,615	1,197,992	1,350,984	1,318,194	1,122,314	1,051,777	13,949,170
1875	204,539	233,095 245,814		187,091 212,928	221,444 233,126	211,735 224,308						2,904,92 3,217,27
1877	254,722 235,308						201,001				250,400	3,411,41
Ohio and Mississippi : 1875245,989 1876315,021	244,983			257,971	256,772		250,320	340,751		324,857	337,915	3,496,050
Philadelphia and Reading:	290,832	307,360	305,112	310,908	310,210	10/1 d	10 E & O		diam'real	A SHULLING	Hart of the	*******
Philadelphia and Reading : 1871	423,045			1.116.387	1.167.008	1,213,303	1,359,633	1,418,141	1,413,643 1,322,847	1,423,278	891,791	12,500,66
1873742,041	745,100	1,258,470	1,379,009	1,308,450	1,382,096	1,321,543 895,453	1,446,247	1,547,475	1,486,091 1,857,429	1,324,348 1,375,639	1,049,136	14,990,00 14,361,12
1874	737,381 3 417,644		650,270	689,193	917,514	1,555,974	1,631,339	1,656,258	3 1,722,954	1,438,733		******
1876.				e of	******			£ 377				
St. Louis, I. Mt. & South'n: 1873	152,054 211,409	224,449 226,288	207,627	254,927 251,509	216,223 238,608	200,575 235,250	223,714 254,230	244,967	238,198 358,776	209,622 250,860	221,348 385,000	2,539,53 3,244,07 3,802,94
1875 250.790	281.911	275,910	264,560	275,147	294,631	226,24	283,957	292,210 7 333,770 374,000	388,604 0 440,600	429,76	497,650	3,802,94 3,980,58
1876	312,116 352,407				304,300)						
1877	9 196,158	243,991	220,69	188,083	178,332	153,49	248,830					
1876246,530 1877240,04	282,879 2 250,100	271,230 250,352	234,009 264,43		228,720			CONTRACTOR OF COMM		The second second		THE EXPLOSION COURSE
Toledo, Peoria and Warsaw: 1875		Adding the	dellow seg	mild ex	Si ofet	Land Man		100	41-2751,00	GRAD BROKE		1975
1876. 99 20	8 112 26	1 102,737	118,043	3 125,209	135,926	92,74	143,47	1 145,02	8 137,97	3 101,070	98,06	1,120,48
1877	1 80,57	9 84,22	0 90,11		197 1 4-2011	petition sen	3007	8.108	CLUSTER AND		Louis Bline	
1869. 1870. 528,521 1871. 479,57	500,139	539,236	706,60	797,946 8 802,586	746,450	643,058	664,05	1 728,52	1 719,698	570,168	716,829 505,05	5,709,18 7,654,09
1871	3 373,92 6 534.11	499,899	9 584,54	724,466 890,442	728,174	673,693 743.382	681,868 789.563	5 800,40	2 777,362	708,142	4€9,935 757.851	7,521,69 8,692,60
1973 593 97	401 70	1 708,256	881,266	1,007,831	969,863	876,833	837,27	7 1,068,93	7 1,170,586	970,660	758,832	7,654,09 7,521,68 8,692,60 10,559 86 11,993,83
4017	607,99					1,088,982		1.155.94	1,266,92	1 037,59	903,152	11.993.83
1674. 630,71 1875. 574,93 1876. 664,98 1677. 815,35	0 620,307 7 697,13		1,054,186	1,273,225 1,201,955	1,154,31	070 70	1 000 15	1 205 00	1,365,50	1,236,48	000 000	12,886,85

NATIONAL AND STATE SECURITIES.

DATE HER E LOT BATE STORY OF THE STORY	TO STREET VIN	1	-Interest	24113	180	vestrice dansh Australia	BITTING SOF	1-	- Interest	11/2	120
10214 T. Flax 215 Ex 000 2	Amounts outstand- ing,	Rate.	Payable.	PAY- ABLE	36	10.000 10	Amounts outstand- ing.	Rate.	Payable,	PAY- ABLE,	Marke
National Securities, July 1, Loan of June 14, 1858	gistered \$200,000 gistered 13,815,000	5 6	Jan. & July.	1874	1111	Massachusetts—(\$29,465,204): . Lunatic Hospital Loan, 1874	650,000	5	Jan. & July.	1894 1894	iici
Oregon War Bonds of March 2, 1861. Loan of July 17, and Aug. 5, 1861r	coupon 945 000 gistered 126,238,000	6	Jan. & July. Jan. & July	1880 1881 1881	167	Union Defense Loan, 1861	220,000 1,850,000 50,000	6 5	Jan. & July. June and Dec.	1880 '75-'76 '77-'78	108 115 109#
Loan of Web. 25, 1862 . (5-208)	coupon vajusajasu	66	May & Nov.	1881 1882 1882	1124	Union Defense Loan, 1882. Coast Defense Loan, 1863. Bounty Fund Loan, 1863 and 1864. War Fund Loan, 1869. Troy & Greenfield R.R. & Tunnel Loan.	888,000 8,380,244 999,944	5 5	Jan. and July.	1883	111 110
Loan of March 3, 1863	.coupon 21,222,000	6	16 66	1881 1881	1111	4 De He of Bille R. R. Loan	10,971,992 3,599,020	5	Various. Jan. & July.	1899 '88-'94 1900	100
	gistered	6 6	May & Nov.	1884 1884 1885		Michigan—(\$1,664,000): Renewal Loan bonds, 1858	105,000	6	11 11 11 11 11 11 11 11 11 11 11 11 11	1878	108
2d series (5-20s)r	coupon 18,801,200 gistered 69.568,550	6	Jan. & July.	1885 1885	1061	Wai Bounty Loan bonds, 1865	1,032,000 366,000	7	May & Nov.	78-'83 1890	110
3d series (5-20s)r	eoupon 133,088,500	6	Jan. & July.	1885 1887 1887	1061 1081 1084	Minnesota (\$2,755,000): State Buildings Loan, 1867 to 1869 State Buildings Loan, 1873, coupon	250,000 230,000	7	Jan. & July.	'77-'79 '88-'03	
4th series (5-20s)	gistered 15,665,000 .coupon 21,808,800	8	Jan. & July.	1888 1888	112	Railroad Aid bonds, 1858, (repudiated). Missouri—(\$17,889,000); State Debt Proper, 1865 and 1868	2,275,000	6	4	1887	108
Loan of March 3, 1864, (10-408)	gistered 142,010,450 coupon 52,555,850 gistered 219,135,650	5 5	F. M. A. & N.	1904 1904 1881	1121 118 1101	Consolidation bonds, 1868	2,727,000 1,100,000	6	. #4	1888	106
Funded Loan of 1891	gistered 90,649,500	8	M. J. S. & D.	1881	1086	Railroad Aid bonds, 1853-'66	15,868,000 505,000	6	4 4	179-187 192-194	
Debt matured and without interest	(var.). 16,648,860	4		Due. Irred.	1091	New Hampshire—(\$3.519,100):	160,000	10	Mar. & Sept.	1881	• ••
Navy Pension Fund of July 23, 1868. Pacific R. R. Bonds (registered)(c	rrency) 64,623,512	6	Jan. & July.	'95-'90	126	War Loan Bonds, of 1861	213,000 600,000 500,000	6	Mar. & Sept. Jan. & July.	'84-'89	108
United States Notes Fractional Currency	IN THE PARTY AND THE	46	100			New Jersey—(\$2,496,300):	2,206,100	6		92-105	1134
State Securities, latest de Alabania—(\$21,670,810): Bonds (old), extended	De Britania Company		May & Nov.	186-192	401	War Loan (tax free) bonds, 1861 War Loan (tax free) bonds, 1863 War Loan bonds, 1864	1,000,900 900,900 598,400	6 6	4 4	'76-'84 '86-'96 '97-'02	
Bonds (new), 1866, 168 172 and 176	2,212,700	8 7		1894	404	New York—(\$29,776,787): Bounty Loan bonds, coupon	1,057,000	7	и и	1877	101#
Arkaneas—(\$12,738,086): Bords (Funding) 1888 and 1876	ements. 15,051,000	8	Jan. & July.	1899	15	Bounty Loan bonds, registered State (Deficiency) Stock, '38, part at wil.' Canal Stock (old)	14,855,000 889,781 880,000	8	J. A. J. & O.		1014 106 102
Deficiency Bonds, 1872	1,460,000	7	4 4	1900 1882	****	Canal Stock (old). Canal Stock, 1872. Canal Stock, 1873. Canal Stock, 1873.	1,562,900 847,500	6	Jan. & July.	1887 1883	120 115
Bonds (for \$2,500,000), 1875 Railroad Aid bonds, 1869 and 18	70 6 800 000	77	April & Oct.	1895 1900	6	Canal Stock, 1873. Canal Stock, 1874. North Carolina—(\$25,419,045): Railroad and Improvement (old) bonds.	4,302,600 2,000,000	6	April & Oct.	1891 1892	119
California—(\$3.396,500) Civil (8. F.) bonds, 1857 and 186 Relief Furd bonds, 1863. State Capitol bonds, 1870 to 187 Funding bonds, 1870 to 187	75,500	7	Jan. & July.	'77-'80 . 1888		Manford and improvement (old) bonds,	4,738,800 3,639,400	6	Jan. & July. April & Oct. Jan. & July. April & Oct.	'75-'98 '75-'98	18
	2,801,000	6	"	1885 1893	****	Railroad and Improvement (new) bonds	2,383,000 1,695,000 2,417,400	6	Jan. & July. April & Oct. Jan. & July.	'75-'98 '75-'-8	78 78 94
Connecticut—(\$5,014,000): War Loan bonds (10-20 yrs), 186	1 508,900 nd '64 2,195,500	6	Jan. & July.	1881		Funding (new) bonds, 1866	1,711,400	6	April & Oct.	1900 1898 '98-'99	9
War Loan bonds (20 yrs), 1863 a War Loan bonds (10-30 yrs), 186 War Loan bonds (20 yrs), tax fr	ee, 1866. 1,741,100	6	April & Oct.	1894		(Unio-(37,988,20b):	11,865	6	Jan. & July.	1875	166
Delaware—(\$1,231,000): State bonds to railroads, etc District of Columbia—(\$12,790,000):	1,231,000	6	Jan. & July.	1885		Loan (sinking fund), 1850	4,082,840 2,400,000	8		1881	110
Improvement (gold) bonds, 187	790,000	6 7	Jan. & July.	1893	791	Bounty and Relief bonds	46,027 200,000	7	4 4	'75-'84 1890	****
Funding bonds, 1874, (guar. by Fiorida—(\$5,431,767): Btate bonds, 1871	18-1 10 570 1 20	3.6	L (Uo.02 J.	Transfer		Pennsylvania—(\$24,668,685): Inclined Plane Loan, of 1849 Loan of April 1852, reg. and coup	400,000	1.04	April & Oct. Jan. & July.	1879 1882	1044
Consolidated (gold) bonds of 18	73 \$09,200	8		1908 1890		Loans, May '52 & Apr. '52, reg. & coup.	8,518,500 87,000	4+*	Feb. & Ang.	77-78 1882	1024
Georgia—(\$19,823,900):Bonds to Atlantic and Gulf RBonds, act March 12, 1866		6 7	Feb. & Aug	'78-'86 1886	1021	Stock Loan of Feb. 2, 1867, 2d series Stock Loan of Feb. 2, 1867, 3d series Agricultural College Land Scrip, 1872	3,000,000 9,985,800 500,000	6	April & Oct.	1877 1882 1876	1094
Bonds (gold), act Sept. 1870	2,098,000	1 3	Jan. & July J. A. J. & O. April & Oct	TOAR		Hhode Island—(\$2,638,000): War Loan bonds of 1862	1,019,000		Mar. & Sept.	1882	
Bonds (funding), 1878 Bonds to Brunswick & Albany Hallroad ald bonds (endorsed),	R.R., '70 1,500,000 570 4'71 7,545,900	8 7 V8	June & Dec		1 105	South Carolina—(\$14,537,295): State House Stock, 1856 to 1861	1,619,000	6	Jan. & July.	'95-'94 '77-'89	
Illinois—(\$1,689,045): Interest bonds, 1847	940,445	6	1 (70) 139 (1878	100	Blue Ridge R. R. bonds, 1854cur.	287,000 867,000	6	# # #	'71-'80 '75-'79	
Refunded Stock bonds, 1850 Chicago Relief bonds, 1871 Indiana—(\$910,900):	320,000 250,000	0	May & Nov	. 1881		 Funding Stock and bonds, 1866. Funding and Conversion bonds, 1868-'69 Land Commission bonds, 1869 and 1870. 	884,113 3,764,850 261,000	6	J. A. J. & O.	'87-'97 '82-'89 1889	
Temporary Loan bonds, 1573			April & Oct			Fire Loan Stock of 1838	292,641 616,000	6 7	Jan. & July. J. A. J. & O. Jan. & July.	1888	38
Kansas—(\$1,336,175):		7	Jan. & July Jan. & July	0.000	1.	Consolidated bonds, 1873, reg. and coup. Railroad bond endomements	1,391,084 4,707,608	Va.	Various.	1893 var.	
Bonds (various) 1866 to 1869 Military loan bonds, 1864 to 18	859,000	17	41 41	176-19 184-19	9	Tenneasce—(\$47,185,617): State Bonds (direct) Railroad, &c., Loan bonds Funding bonds, 1866 and 1868	2,641,000 28,530,000	6	April & Oct. Jan. & July.	30 yrs 30 yrs	434
Louisiana—(\$21,099,100): Treasury Relief bonds, 1858 Levee bonds, 1866	735,000 1,000,000	1	Jan. & July Various.	1893		Funding bonds, 1866 and 1868	7,141,000 6,222,000	6	Durana its	1914	431
Levee bonds, 1867	3,992,000		May & Nov Mar. & Bept Jan. & July	1907	40	State Bonds	125,000 75,000	6		1877 1892	
Funding (coupon) bonds, 1868.	722,100	1	Jan. & July May & Nov Mar. & Sept	. 1910 1909	40	Revenue Deficiency (gold) bonds	697,000 500,000	70	64 64 64 64	1910 1892	
Penitentiary bonds, 1869 Miss. & Mex. Gulf Ship Canal Railroad Aid (various) bonds.	bonds, 69 389,000 2,385,000	17	Various.	1899		Funding (gold) Bonds	1,000,000 279,000 400,000	10	Mar. & Sept. Jan. & July.	1904 1876 1984	
Railroad Loan (var.) bonds, 18	9 to 1871. 4,750,000	- 1	Various. 7 Jan. & July	,66-,1	1	Pension (currency) Bonds	1:100:000	10	J no & Dec.	1894	
Muyland—\$11,095,019): Bonds to R. R. and Canals Bonds to R. R. and Canals	5,604,129 889,836	1	J. A. J. & C	1890	1004	Virginia—(\$50,556,408): Coupon (old) bands, 1851 to 1861	312,000	6		0.1	1
Btate Loan bonds, 1870 and 187	1 to 1808. 3,333,083		Jan. & July	1885		Registered (old) bonds, 1851 to 1861 Coupon (new) bonds, 1866 and 1867	7,602,652	6	Jan. & July.	10 to	31
Maine (\$7,088,400): Olvii (var.) bonda, 1867 to 1861 War and Bounty bonds, 1863 a Liqualisation (Municipal) bon	nd 1864 3,832,500		Various.	176-17 180-19	18 104 108	Registered (new) bonds, 1865 and 1867 Consol. (coup receivable for taxes) 1871. Consol. (coup. not so receivable) 1872	20,289,005 2,442,784	6	u u	1905 1906	854
Liqualization (Municipal) bon	is 1868 8,088,900		April & Qe				15,239,370	10	1.4	contg	

Asterick (*) affixed to rate of Interest signifies "Payable in Coin."

dirondack:	Amount.	_	When.	Where.	Dae	1	The state of the s	The same of		When.	Where.	A	1 d
	3		taritanidaz	boy stock on	OldO		Biue Ridge, (S. Car.):	4.5		WE STORY	olf & shipair	1900	1-
1st Mortgagelabama and Chattanooga:	940,000	7	Jan. & July.	New York.	1886	10	lst Mort., guar. by State (gold) . Boston and Albany:	4,000,000	7*	Jan. & July.	Charleston	1898	1.
1st Mortgage, guar, by Ala			Jan. & July.	New York	1889		Currency bonds of Feb. 1, 1872.	5,000,000	1	Feb. and Aug.	Boston.	191-192	1
2d Mortgage	2,673,000 1,200,000		Motor three	4 4	1889		Boston, Clinton and Fitchburg: 1st Mortgage (Agricultural Br.).	400,000	6	Jan. & July.	Boston.	1884	1
invania and Georgia :	15.1, 1000,00	P.L	(250116 27 % n	mili bedb. I	190	+++1	1st Mortgage (Equalization)	300,000 252,008	7	4 4	Kortgane Gove	1889 1890	
let Mortgage, guar.by Ala.& Ga. labama Central:	16,000pm	8	Jan. & July.	New York.	1891	****	lat Mortgage (Consolidation) Equipment Mortgage	870,000	8	Apr. and Oct.	not John Morts for	1881	
1st Mortgage	1,600,000	8	Jan. & July.	New York.	1901		Boston, Concord and Montreal: Sinking Fund Mortgage	624,000	6	Jan. and July.	Boston.	1889	ı
lbany and Susquehanna: 1st Mortgage	1,000,000	7	Jan. & July.	New York.	1888	1674	DECIT SECUL WAS TO STORE THE	1,041,000	7	Apr. and Oct.	Boston.	1893	1
2d Mortgage	2,000,000	7	April & Oct.	u u	1885 1881	97	Consol. Mortgage for \$2,000,000. Boston, Hartford and Erie:	346,000		"to 19 000 #4	Mortgage, gold	1893	
3d Mortgage	434,000 933,000		May & Nov.		1895		1st Mortgage (old)	273,000		Mar. and Sept.	Boston.	1884	1.
lexandria and Fredericksburg:	1 A 1100 C	1,1	To a constitute of	Dhile delable	1896	1	1st Mortgage (Berdell)	5,000,000	7	Jan. and July.	New York.	1900	I
1st Mortgage	1,000,000	7	June & Dec.	Philadelphia	TORE	****	Mass. L.(sec'r'd by\$4,000,000Ber.)	3,600,000	7*	44 /100 /10146	Boston.	1899	1.
General Mortgage		7.8	Jan. & July.	New York.	1896	1051	Boston and Lowell: Bonds (Wharf Purchase)	200,000	8	Apr. and Oct.	Boston.	1879	1
Epecial Mortgage to Penn 1st M., E. Ext., guar, by Pa. R.R.	8,500,000 9,938,000		April & Oct.	Harrisburg. Phil. or Lond	1900	964	Bonds of 1872 for \$1,000,000	999,500	7		sol and M. Jos	1892	i
Funding Income (traffic guar.)	5,402,900	7		Pittsburg.	1894	45	Bonds of 1875	500,000	6	Mar. and Sept. Jan. and July.	ins B) to hito h	1898	1
merican Central: 1st Mort., guar. by C., B. & Q.	386,000	7	Jan. & July.	New York.	1878	1014	Boston and Maine:		1 -	- surrevible	O Testinutia	11000	1.
indroscoggin:	4.15	0.5	Livel malble	Dath Ma	1891	100	Boston and New York Air Line:	3,200,500	7	Jan. and July.	Boston.	'98-'94	4
lst Mortgage (Bath Loan) rkansas Central (narrow gauge):	425,000		Jan. & July.	Bath, Me.	TOAT		1st mortgage. Boston and Providence:	800,000	7	Feb. and Aug	New York.	1895	1
1st Mortgage	1,200,000	7	Jan. & July.	Lond. or Ams	1891		Boston and Providence: Bonds to purchase P., W.&B.Rd.	500,000	7	Jan. and July.	Boston.	1893	
1st Mortgage	1 3 1000	7*	April & Oct.	New York.	1901		Brunswick and Albany:	500,000	0.3	Jan. and July.	A Mileton make	1900	1
2d Mortgage, Income	400,000		Jan. and July.	Pittsburgh.	1904		lst Mort.(gold)end. by Ga.tax fr.	3,630,000		Apr. and Oct.	New York.	1908	ŀ
1st Mortgage	3,750,000	8	March & Sept.	Bosten.	1896		2d Mort, sinking fund gold Buffalo, Bradford and Pittsburg:	1 0000	12.6	Part Coll gold!	and) shares	1893	1
1st Mortgage	E problem	1	1 (margold Sal Less	3	87	General Mortgage	580,000	7	Jan. & July.	New York	1896	
lat Mortgage (gold) Land Gratt Mortgage (gold)	3,369,000	7	Jan. & July. April & Oct. Jan & July.	New York. Boston.	1899	78	Buffalo, Corry and Pittaburg: 1st Mortgage	700,000	7	Jan. and July.	New York.	1886	1
1st Mort. (Wichita Br.) traf. gnar	412,000		Jan & July.	4	1902		Dunalo and Erie :	\$ 4000.	MI.	In ICO Sept. 2014	Sagt. (Blue, 8	315	1
Pottawotomie Land Grant Consol. Second Mort. (gold)	479,006 3,294,000	7	May & Nov.	N. Y. or Bost	1879	47	Mort. bonds (ass'd by LS&MS)	200,000		Jan. and July. March & Sept.	New York.	1882 1886	ŀ
Land Income bonds	475,000	12	April & Oct. Jan. & July.	Boston.		102	Mort. bonds (" "	2,850,000		Apr. and Oct.	4 1 4	1898	i
Atlanta and Richmond Air Line. 1st Mortgage (guar. by Georgia)			Jan. & July.	New York.	1900	50	Buffalo and Jamestown: Mortgage	1,000,000	6	and the same	New York.	1902	1
Mantic and Great Western:	F7 00 3			0.0	12	00	Bunalo, New York and Erie:	D 1000	100	STEED THE BOOK OF	VELVI A.	Let Day	1
1st Mortgage (gold)	14,922,200	7	Jan. & July.	N.Y. or Lond	1902		lst Mortgage (assumed by Erie) Buffalo, New York & Phila.:	2,000,00	0 7	June & Dec.	New York.	1877	4
2d Mortgage (gold)	28,788,000	7	March & Sept. May & Nov.	46 44	1902		1st Mortgage	2,298.00	6	Jan. & July.	New York.	1896	1
Atlantic and Gulf:	1 1000	13	FEMALES SELECTION	No. West	ST	1	2d Mortgage for \$1,000,000 Burlington, Cedar Rapids & Minn.	281,50	0 10	4	mid Monto D #	1898	1
Consolidated 1st Mortgage 1st Mortgage (S. Ga. & Fla.R.R.)	2,310,200 464,000	7		New York.	1887	86	1st Mortgage, stg., skg. fund		7	May & Nov.	N. Y. & Lond	1919	4
2d Mortgage (S. Ga. & Fla. R.R.)	200,000	7	" "		1889		lst Mort., (gold) Mil. Div	2,200,00		Feb. and Aug.	tel though the	1902	
Atlantic and Lake Erie: lst Mort. (gold) for \$5,000,000		74	Jan. & July.	New York.	1901		Rurlington and Missouri River: Land and R. R. Mortgage	4,638,25	0 7	April & Oct.	N. Y. & Bost	1893	1
Atlantic, Miss. and Ohio (428 m.)							Stock Bonds pref. 3d lien	298,50	0 8	Jan. & July.	Boston.	1878	1.
2d Mort to State (no int. till '80).	4,000,000	7*	April & Oct.	New York.	1901		Stock (common) Bonds	289,50 280,00	0 8	April & Oct.	N. Y. & Bost	1879	1
attentic and Pacific:				1	****		Stock (common) Bonds	. 401,00	0 8	4 4		1889	II.
Land Mortgage gold bonds 2d Mortgage for \$3,000,000 (gold)	2,829,000	64	Jan. & July. May & Nov.	New York.	1888		Burlington and Mo. Riv. in Neb.: 1st Mortgage convertible	5,715,00	0 8	Jan. & July.	N. V. & Boat	1804	1
18t Mort. (So. Pac. R. R.)assumed	7 199 500	63.9	Ton As Inly	44 44	1888	61	Bonds convertible until 1882	600,00	0 8	4	Boston.	1883	1
lst Mort. (Central Div.) gold lst Mort. (Central Div.) L. G	1,190,000	0.	May & Nov.	66 66	1891		Burlington and Southwestern:	1,800,00	0 8	May & Nov.	Boston.	1891	1
Equipment Bonds	753,000	10	June & Dec.	46 66	1883		1st Mortgage (\$20,000 per mile). Cairo and Fulton (Arkansas):	. 1,500,00	11:	Larra dough	o derrola I bel	munt.	ľ
income Bonds (for funding)	529,600	6		1 M 1 M 14	1883		1st Mort. (R.R. and lands) S.F Cairo and St. Louis (3 ft. gauge):	. 8,000,00	0 7	Jan. & July.	New York,	1891	1
Land Debentures	1		J. A. J. & O.	not present	1884	****	1st Mortgage	2,500,00	0 7	April & Oct.	New York.	1901	1
Dierling bonds not Mort of 1869	484,000	6	May & Nov.	L " n	1878			9 500 00	0 7	April & Oct.	N V AT-	1000	1
2d Mortgage (sterling) of 1864 3d Mortgage (sterling) of 1871	713,000	6	May & Nov.	4	1884		lst Mortgage, gold	1,500,00	0 7	Jan. & July.	" a Lond	1898	
3d Mortgage (sterling) of 1871 Portland City Bonds, 1st M., s. f Bald Eagle Valley:	787,000		" "	Portland.	1886		California Pacific:				Non None	00.00	4
1st Mortgage	954 000	6	Jan. & July.	Philadelphia	1881		1st Mortgage, sinking fund Extension, or 2d Mortgage			Jan. & July.			ŀ
2d Mortgage	100,000		" a buy	110 22 4 1 112	1884		First Income bonds	1,000,00	0 10	Jan & July.			1
Loan of 1850-'80	579 500	8	Jan. & July.	Banimore.	1880	1007	2d Income, or double track bids Camden and Amboy:	1 1000	125	Lipechinskii (LD)	b. dealer (Stated et	382	1
		6	April & Oct.	Many William	1885	100	Loan of 1883	1,700,00	0 6	Feb. & Aug.	Philadelphia.		1
Loan of 1855-'90 (Balt.) skg fd. Loan of 1870-'95 (stg.) skg fund Loan of 1872-1902 (stg.) S. F. Loan of 1874-1910 (stg.) S. F.	3,253,026	6	Jan. & July. March & Sept.	4	1890 1895		Loan of 1889 Mortgage Loan of 1889	5,000.00	0 6	May & Nov.	Princeton. Philadelphia	1889 1889	3
Loan of 1872-1902 (stg.) S. F	9,198,852	6	a a	4	1902		Sterling Loan, S. F. (£262,000).	1,286,08	0 6	· Feb. & Aug.	London.	1880	
		6	May & Nov.		1910	****	Camden and Atlantic:	400.00	0 7	Jan. & July.	Philadelphia	1898	-1
lst Mort. (Tunnel) gold guarlst Mortgage (R. R.) gold guar. Bangor and Piscataquis:	1,500,000	6	Jan. & July. April & Oct.	Baltimore.	1911		2d Mortgage Camden and Burlington County:	500,00	0 7	April & Oct.	4.61.30	1879	P
Bangor and Pigestagnia	3,000,000	6	April & Oct.		1911		Consolidated 1st Mortgage	. 350,00	0 6	Feb. & Aug.	Philadelphia.	1907	1
1st Mortgage (Banger loan) 1st Mort. (Banger loan) extens':	600,000	6	April & Oct.	Boston.	1899		Canada Southern:	1 8 3000	400	Marina edital	toll are All Atto	LOBA	1
lst Mort. (Bangor loan) extens's Bay City and East Saginaw:	120,000	1	B #	44	1901		lst Mort.(skg fd)g'd for \$9,000,000 Cape May and Miliville:	9,000,00	0 7	Jan. & July.	New York.	1906	1
185 Mort, mar by F & P Mra Co	100,000	10	Jan. & July.	Detroit.	1886		2d Mort.,guar. by W.Jersey R.R. Carbondale and Shawneetown:	400,00	0 7	April & Oct.	Camden.	200	1
Dediord and Reidgemont:	The second	10	Laft water	and pletty and	100	11441	Carbondale and Shawneetown:	000.00	166	Jumy charted	A sire A) day	E mg	1
lst Mortgage	1,000,000	7	April & Oct.	Philadelphia	1892		1st Mortgage	1 3 3000	1	Jan. & July.		1902	1
	150,000	6	May & Nov.	Portland.	1890		1st Mortgage	3,000,00	0 6	Jan. & July.	New York	1,928	1
lat Mortgage			T todath be	Philadelphia	1999	3	2d MortgageIncome Bonds. Carthage and Burlington:	3,000,00	7	April & Ort	and sold force	1914	
- The state of the			a ellocated	15 3k .157 4 119	Terror.		1st Mort., guar. by C., B. and Q.	256,00	0 8	May & Nov.	New York.	1879	
Believille and Southern Illinois	A COLOR	7	Jan. & July	New York.	1899		Catawissa:			Township Dr	a treamments a	0 (211.6) 25 (1
1st Mort, guar. by St. L.A.& T.H Beioit and Madison (C. & N.W.)	1,100,000	8	April & Oct	New York.	1896	85	1st Mortgage (old)	1.300.00			a musderphia.	1882	9
ist Mortgan (C. & N.W.)	:	100	1 000,000,74.7	d spolink d	GIAN D	1 70	Chattel Mortgage	209,85		May and Nov.	Land other and	188-18	0
Belvidere Delawaye	. 284,000	7	Jan. & July.	New York.	1888	••••	Cayuga Lake:		0 7	June and Dec.	New York	1901	1
	1	1 .	Toma & The	New York.	1877	1	Cazenovia and Canastota:	4 145 1986	150	1 100	TOTAL	1301	1
1st Mortgage (guar by C. &)		. 0					11 4 1 3 4 1						
lat Mortgage (guar by C. & 2d Mortgage A. Co. and 3d Mortgage (Penn. R. R. Co.) Bingham Canyon & Camp Floyd	499,500	6	March & Sept Feb. & Aug	Philadelphia		103	1st Mortgage, gold	250,00	0 7	Feb. & Aug.	New York.	1800	4

An Asterick (*) affixed to rate of interest signifies " Payable in Coin."

Description of Bonds.	Amount.	ate	Interest	to the barrier of	Due.	Price	Description of Bonds.	Amount.	Rate.	Interest	rayable.	Due.	1
When Where		R	When.	Where.	A	P4	P conty	2	R	When.	Where.	P	1
edar Rapids & Mo.Biv.(C&NW):	678,000	7	Feb. & Aug.	New York.	1891		Chicago, Iowa and Nebraska: 2d Mort. (now 1st) guar.C&NW	\$ 568,200	7	Jan. & July.	Boston.	1880	1
lst Mortgage, 1st Div. \$10,000pm lst Mortgage 2d Div. \$10,000p.m. lst Mortgage 3d Div. \$16,000 p. m.	582,000 2,400,000	7	May & Nov.	4 4	1894 1916	99 100	8d Mort. (now 2d) guar.C.&NW Chicago and Lake Huron:	211,500		Feb & Aug.	New York.	1892	.,
entral Branch Union Pacific: 1st Mort. (Atch.& Pike's Peak).	1,600,000		May & Nov.	New York.	1895	49	1st Mort. 1st series (Peninsular.) 1st Mort. 2d series ("")	1,800,000 2,000,000		66 66	N.Y. or Lond.	1899 1900	
Id Mortgage Governm't subsidy. Intral of Georgia:	1,600,000		Jan. & July.	(1) Table	1895	****	lst M. (Port Huron & L. Mich.)	1,800,000 540,000	7	Feb. and Aug.	New York.	1899 1881	
General Mort. for \$5,000,000 Macon & West.(Atlanta D.)b'ds	2,222,000 117,000	77	Jan. & July. April & Oct.	N.Y. & Savan. Savannah.	1893 1880		2d Mortgage (Peninsular.) Consolidated Mortgage Chicago and Milwaukee Railway:	12,000,000	6×	4 4	- (a) 4 ()	1903	
entral of Iowa: let Mortgage, gold, \$16,000 p.m.	8,700,000	7*	Jan. & July.	New York.	1899	821	1st Mort., guar. by C. and N.W. Chicago and Mich. Lake Shore:	1,700,000	7	Jan. & July.	New York.	1898	1
and Mortgage, gold, \$4,000 p. m entral of L I. (Flush., N.C.&C.):	925,000	7*	April & Oct.	ner medetniki p	1901	****	1st Mortgage	477,000 2,500,000		March & Sept. Jan. & July.	Boston.	1889 1890	
1st Mortgage	1,275,000	7	May & Nov.	New York.	1889		1st Mortgage	1,350,000 1,325,000	8	May & Nov. March & Sopt.	44	1891 1892	
Convertible bonds of 1872 let Mort.(New)for \$5,000,000	4,400,000 5,000,000	7	May & Nov. Feb. & Aug.	New York.	1902	1146	1st Mortgage (on Branch) Chicago, Miiwaukee and St. Paul: 1st Mort. (La Crosse Division.)	6,000,000	0.5	Jan. & July.	New York.	1893	1
Newark Branch Bonds Loan of Leh. C. & Nav. Co. (asu'd)	600,000	7	Jan. & July. J. A. J. & O.	W W Philadelphia.	1887 1897		1st Mort. (Chic. and Mil. Div.) 1st Mort. (East. Div. Palmer.)	2,500,000 2,500	7	Jan. & July. May & Nov.	# # #	1903	1
Censol. Mort. for \$25,000,000 entral Ohio (B. and O.:)	15,000,000	7	4	New York.	1899	634	1st Mort. (Iowa and Minn. Div.) 1st Mort. (Minnesota Central.)	3,810,000	7	Jan & July.	65 66 1 66 56	1897	1
ist Mortgage guaranteed entral Pacific of California:	2,500,000	6	March & Sept.	Baltimore.	1890	941	1st Mort. (St. Paul Division.) 1st Mort. (Iowa and Dak. Div.)	4,000,000	71	66 66	4 4	1902	1
let Mort., 30 years bonds, (gold).	25,883,000	6*	Jan. & July.	New York.	1888	108	1st Mort. (Prairie duChien Div.) 2d Mort. (""	3,674,000	8	Feb. & Aug.	44 44	1899 1898	
Convertible 20 years bonds, gold State Aid B'ds(Int.by State)gold	1,500,000	7*	4 4	Sacramento.	1884	104	1st Mort. (Hast. and Dak. Div.)	234,000	7	Jan. & July.	EE . EE	1898 1902	1
d Mort. (Governm't Subsidy). st Mort. (Western Pacific) gold	2,735,000	6*	44 44	New York.	1899	100	1st Mort. (Mil. and Western) 2d Mortgage	234,000 67£,000	1	April & Oct.	4 4	1891 1884	1
at Mort. (Calif. & Oregon) gold at Mort. (S. Fr., Okld & Ala.).	8,000,000 500,000	8*	44 44	4 4	1888 1890	88	Equipment and Bridge Bonds Consol. Mort. for \$35,000,000	5,710,000	10	June & Dec. Jan. & July.	4 4	1883 1905	
st Mort. (San Joaquin V.D.) gold and bonds (Cen. Pac. Co.) gold	9,209.000	6*	April & Oct.	4 4	1900 1890	90	Chicago and Northwestern: Preferred sinking fund (193 m.).	1,238,700	7	Feb. & Aug.	New York.	1885	
ntral Vermont:	M. T. IDUON	7	May & Nov.	Boston.	1886	9	General 1st Mortgage (193 m.) Funded coupons (193 m.)	3,578,000	7	May & Nov.	4 4	1885 1883	
st Mort., Consol. (Vt. Central). d Mort., Consol. ("). st Mort. (Stan., Sheff. and Ch.	1,500,000	7	June & Dec Jan. & July.	44	1891 1887	391	Appleton Ext. (23 m.& 76,000 ac.) Green Bay Ext. (26m & 76,000 a.)	146,000 265 000	7	Feb. & Aug.	4 4	1885 1885	
ncome and Extension Bonds	1,008,600		May & Nov.	44	1902	40	1st Mort. (Gal. & Chi. U.) 248 m. Elgin and State Line	1,692,000	7	4 4	u 4	1882	
Equipment Mort. (Vt. Central). Equipment Mort. (")	1,000,000	8	Jan. & July.	44	1889 1891	28 364	Mississippl River Bridge	186,000	7	Jan. & July.		1878 1884	
londs, guar. (Vt. and Canada) lissisquoi R.R.(""	500,000	7	44 44	44	1891		1st Mortgage (Peninsula) Consol. skg fund (O.& N.W.R'y)	328,000 4,277,000	7	F. M. A. & N.	46 46	1898 1915	
rieston and Savannah:	3,000,000	6	March & Sept.	-21	1904		Ist Mort. S. F. (Madison Exten.)	9,758,000 8,150,000		June & Dec.	u u	1902 1911	
t Mortgage guar. by State unded Interest on 1st Mort	505,000 157,400		March & Sept.	Charleston.	1877		1st Mort. S. F. (Menominee Ext.) 1st Mort. (Chic. & Mil. R. W.) guar	2,700,000 1,700,000	74	June & Dec.	44 44	1911	
arlotte, Columbia & Augusta et Mortgage		-	Jan. & July.	New York.	1895	76	lst Mort. (Bel.& Mad. R.R.)guar. Chicago and Paducah (C. B. & Q.):	284,000		"	44 44	1888	
artiers: at Mort., guar. by Peana	172 000.0	1.7	April & Oct.	.530 . 2570			Ist Mortgage \$26,000 p. m. gold.	2,304,000	7*	Jan. & July.	Boston.	1903	
eraw and Darlington:	141,000		to provide ho	THE PARTY OF THE P	1888	****	1st Mortgage for \$10,000per mile	700,000	8	Feb. & Aug.	New York.	1901	
st Mortgage dated Jan. 1, 1871. d Mortgage dated Jan. 1, 1869.	75,000		Jan. & July.	Charleston.	1888	***	1st Mortgage skg. fund	5,500,000		Jan. & July.	New York.	1896	
erry Valley, Sharon and Alb.: at Mort. con. guar. by A.& S.Co	800,000	1	June & Dec.	New York.	1899		New Mort. bonds for \$12,500,000	3,500,000			4 4	1895	
enapeake and Ohio : st M.(gold) skg fd for \$15,000,000	15,000,000	64	May & Nov.	New York.	1899	22	Chi. & Southwes'n(C.,R.I.&Pac.)	5,000,000	7	May & Nov.	New York.	1889	
at Mort. Extension.(cou. or reg at Mort. (Va. Cen.) guar. by Va	100,000	6	Jan. & July.	4 4	1902 1880		1st Mortgage gold (Atchison Br.) Chicago and Superior:	1,000,000		June & Dec.		1901	
d Mort. (") coupon	902,000 300,000	6		" "	1884 1876		1st Mortgage (Mad. & Portage)g'd Chillicothe and Brunswick:	600,000	7	April & Oct.	New York.	1900	
funded Interest, coupon			4 4	4 4	1877	0.00	1st Mort, guar.by St.L.,K.C.&N Cincinnati, and Baltimore:	\$00,000	8	Jan. & July.	New York.	1894	
Coupon bonds (no Mort.) ester Creek (Phil. & Balt. Cent.)		6	Jan. & July	Boston.	77-19	8 974	1st Mort. guar.by B.& O.& M.&C Cincinnati, Hamilton and Dayton	322,000	7	Jan. & July	Baltimore.	1900	
at Mort., guar. by P., W. & B.	185,000	6	Jan. & July	Philadelphia	. 1908		1st Mortgage of 1863 2d Mortgage of 1865	1,250,000			New York.	1880	
st Mortgage	660,000	7	May & Nov	New York.	1901		3d Mortgage of 1867	500,000	8	Jan. & July. June & Dec.	u u	1885 1877	
icago and Alton: st Mortgage, pref. sinking fund	28,000		May & Nov			107	Consol. S. F. M. for \$3,000,000. Cincinnati, Ham. & Ind. (C., H.&D.)		1	April & Oct.	STATE OF	1965	
at Mortgaged Mortgage Income	. 1,100,000	7	Jan. & July April & Oct	4	1893 1883	117	1st Mort., guar. for \$2,500,000 Cincinnati, Lafayette and Chi.:	1 7 1000	1	Jan, and July.		1903	
Jonsol. Bonds (£200 stg. each) st Mort. (St.L.J. & C.) assumed d Mort. ("")	1 564,000	7	April & Oct	New York.	1903 1894	106	1st Mortgage Consolidated Mortgage	1,120,000	7	March & Sept.	New York.	1901 1914	
at Mort. (Louisiana and Mo.).	. 4.300,000		Jan. & July Feb. & Aug		1898 1900	88	Cincinnati and Martinaville:		1	Feb. & Aug.	- Sekt in	1905	
icago, Burlington and Quincy: Frust Mortgare skg fund	2,570,000	100	Jan & July	To make the second	1883	1154	1st Mort., guar. by I.,C. & La.F Cincinnati & Muskingum Valley 1st Mortgage.	1,500,000	11	3,500 3700	MASSING STANDARD	1901	
Crust Mortgage, skg fund conv.	. 150,000	8	April & Oct	4 4	1883 1890		Cincinnati, Richmond & Chicago	560,000		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BLOL HUNE AN	1895	
Trust Mortgage (Burl. to Peoria can of 1872	1,918,478	7	Jan. & July	Boston.	1896 1895	109 904	1st Mortgage guar. by C.,H.&D 2d Mortgage " " Cinc.,Rich.& Ft.Wayne(G.R.&I.)	65,000	7		44 4	1889	
lonsol. Mortgage for \$80,000,000	10,438,000	7	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	4	1903	109	1st Mortgage gold, guar	1,800,000	7	June & Dec	New York.	1921	
st Mort. (Car. and Burl.) guar.	266,000	8	May & Nov	New York.	1879	****	1st Mortgage. 1st Mort. (San., Day. & Cin.)S.F	1,072,80				1890	
at Mort. (Ill. Gr. Trunk) guar.	. 568,500 . 900,500	8	Jan. & July April & Oct		1889		I am more (San. City and Ind.).	.] 350,00	0 7		66	1900 1877	1
at Mort. (Am. ven. K.K.) guar at Mort. (Dix., Peo. & Han)gua at Mort. (III. Gr. Trunk) guar- at Mort. (Keok. & St. Paul)gua at Mort. (O., O. & Fox Rv.)gua at Mort. (O., O. & Fox Rv.)guar- at Mort. (Quincy & War.) guar- bi Mort. (Quincy & War.) guar- de Mort. (Northern Cross) gold theses and Canada Southern	7. 318,000 7. 1,079,000	8	Jan. & July	N.Y. & Bos	1879 t. 1900		1st Mort. (Col., Spring. & Cinc. Cincinnati and Springfield:	1,000,00	0 7	u a	New York.	1	
st Mort. (Peo. and Han.) guar. at Mort. (Quincy & War.) guar	277,000	8	4 4	New York. N.Y. & Bost	1890		1st Mort, (guar, by C. C. C. & I.	2,000,00			New York.	1901	
d Mort. (Northern Cross) gold deago and Canada Southern	. 891,000	4	• " "	Frankfort.			Clincinnati Wahash and Mish .			Jan. and July	CALLES DIES AND	1891	
icago and Canada Southern. t Mortgage	. 2,467,000	7	* Apr. and Oct	. New York.	1902		list Mortgage for \$16,000 p. m Clev., Col., Cin. & Indianapolis: 1st Mortgage sinking fund 1st Mort. (C., U. and C. R. R.), 1st Mort. (Bell. and Ind. R. R.), Cover Mortgage for \$16,000	3 000,00		1 north	A E Seed majori	1899	
st Mortgage	. 1,000,000	7	Jan. & July	New York	1887		1st Mort. (C., C. and C. R. R.).	200,00	0 7	June & Dec		174-18	8
LAS MEOFIL MUNIC CO. D. MING WILLS	. 1,000,000	8	June & Dec	Boston.	1896		Consol. Mortgage for \$7,500,000 Clev.& Mahoning V.(A.& Gt. W.)	. 435,00 2,478,00		Jan. and July June and Dec	N.Y. or Lone	1899 1 1911	
hirago, Dauville and Vincennes is mortgage (Ill. Div) gold	9 500 000		Apr. and Oc	New York		1	lst Mortgage, extended	740,50	(188	Feb. and Aug	proof allocated	1993	
Ist Mortgage (Ind. Div.) gold hicago, Dubuque and Mina.: 1st Mortgage guar. \$25,000 p. m hicago and Iowa:	. 825,000	7		4 4	1912		11 03 / 03 24	6 664,50	0 7	March & Sept	a a	1876	3
let Mortgage guar. \$25,000 p. m	4,425,000	8 0	June & De	Boston.	1898	25	110 lev., Mt. Vernon and Delaware	34 K. J 28 J. S. C. C.	1, 121	12 St. Co. L.	THE PROPERTY	NO DO	Š.
les Mortgage for \$3,300,000	2,300,000	9 10	Jan. & July	N.Y. & Bos	1901	82	1st Mortgage gold	960.00		Jan. & July		1902	

Cle Co 44 Co Cle Cle Co Cle Cle Co Cl

Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	ate.	Interest		Due.	Price.	Description of Bonds.	Amount.	Este.	When.	Where.	Due	Prio
		R	When.	Where.	-	4		1110 4 17	-	w nen.	*** With-10	ollain	See I
veland and Pittsburg (Pa.Co.): lenstruction and Equip. bonds.	600,000	7	Jan. and July	New York.	1913		Detroit & Bay City (Mich. Cent.): 1st Mort. (\$424,000 guar.)	2,830,000	8	May and Nov.	New York.	1902	70
th (now 3d) Mortgage guar	1,096,000	6	4600 000 44	44	1892	104	Detroit, Kel River and Illinois:	1,826,000	130	Jan. & July.	Tylen with	1891	明日差で
Consol. sinking fund guar ev., Painesville & Ashtabula:	1,487,000	1	May & Nov.	**************************************	Spota.	110	1st Mortgage for \$22,000 p.m Detroit, Hillsdale and Indiana:	N 4 75	1	Channes Line	NUMBER OF BRIDE SHIP	O.CH.	1032.06
Regist'd b'ds(ass'd by LS&MS.) d Mortgage (")	1,000,000		Jan. & July.	New York.	1880 1892	108	1st Mort. \$16,000 p. m. guar 2d Mortgage, (coupon) guar	1,170,000	8	June & Dec. Jan. & July.	New York	1890	****
eveland and Toledo:	1,000,000		April & Oct.	BURE STEELS OF	grino3/1	6320	Detroit, Lansing and Lake Mich, :	M. Gine Ko	93	Chroanne /	nated at all	1896	anti-te
lst Mort., s.f.(ass'd by LS&MS.) ld Mortgage (" ")	1,595,000 849,000	7	Jan. & July. April & Oct.	New York.	1885 1886	1101	1st Mortgage	8,219,000 575,000	8	April & Oct. June & Dec.	Boston.	1897	****
lebrookdale:	I ab Blag	1.	1930,00E		near	033	2d Mortgage	1,859,000	8	Feb. & Aug. Jan. & July.	Now York	1893 1889	441
st Mort. guar. by Ph. and Rdg. lorado Central (3 ft. gauge) :	584,700	6	June & Dec.	Philadelphia.	1898	50	2d Mort. (" ")	770,000 81,000	8	May & Nov.	New York.	1880	****
at Mortgage	225,000	8	June & Dec.	Boston.	1890		Detroit& Milwaukee (Gt. W. of Ca.):			May & Nov.	New York	1875	1895
lumbus, Chicago & Ind. Cent.: lst Mortgage Consol. skg fund	15,344,750	7	April & Oct.	New York.	1908	80	1st Mortgage, (D.& M.R.'y) 2d Mortgage (2,500,000 1,000,000	8	4 4	4 4	1875	
d Mortgage skg fund	5,582,400	7	Feb. & Aug.	4 4	1909	5	1st Funded Coup. (D.& M.R.R.)	625,924 375,734	77	Jan. & July. May & Nov.		1875	****
income convertibleist Mort. (Chic. and Gt. Eastern)	3,893 000 461,000		April & Oct.	44 44	1890		2d Funded Coup. (") 1st Mort. (Detr. & Pontiac R.R.) 2d Mort. (" "	150,000	7	April & Oct.		1878	****
d Mort. (" "	344,400	7	Jan. & July. Feb. & Aug.	66 66	1890	****	2d Mort.(" ")	100,000 250,000	7	Jan. & July. Feb. & Aug.	4 4	1878	****
st Mort. (Cin. and Chi. Air-L.) st M., s.f.(" ")	39,650	7	May & Nov.		1886	****	ad Mort. (# 4) ad Mort. (# 6) Bonds of Sept. 1, 1866 Bonds of June 30, 1866 Detroit, Mon. & Tol. (L.Sh.&M.S.) 1st Mortage Ang. 1, 1856 Dixon, Peoria and Hannibal:	110,000	7	March & Sept.	4 4	1886	****
at Mort. (Col. and Ind. Cent.)	2,632,000	10	Jan. & July. May & Nov.	- 66 66	1904	****	Bonds of June 30, 1866	1,702,317	647	Jan. & July.	al Alacetyka	1886	****
st M. (Col. & Ind.) 1st&2d pref.	809,500	7	Jan. & July.		1883		1st Mortgage Aug. 1, 1866	924,000	7	Feb. & Aug.	New York.	1906	100
d Mortgage (Ind. Central)	666,500		Feb. & Aug.	44 44	1882 1884		Dixon, Peoria and Hannibal:	563,500	8	Jan. & July.	New York.	1889	101
st Mort.(Tol., Logansp't & Bur.)	554,500 74,024		a a Aug.				1st Mort., guar. by C., B. and Q. Dubuque and Sioux City: 1st Mortgage tax free	A		C. Wasting I		3073/0	wold a
lst Mort. (Union & Logansport)	815,000	7	April & Oct.	44 46	1905		1st Mortgage tax free Dubuque Southwestern:	882,000	7	Jan. & July.	A STATE OF THE PERSON NAMED IN	1883	105
st M.(assumed by Cin., S. & C.)	1,000,000	7	March & Sept.	New York.	1901		1st Mortgage	450,000	7	April & Oct.	New York.	1888	****
lumbus and Hocking Valley: ist Mortgage skg fund	1,500,000	17.7	April & Oct.	New York.	1897		Dunkirk, Allegheny Val. & Pittsb.	18,000		Jan. & July.	2000012.5	1883	****
lst M. on Branch (& 2d on main)	300,000	7		46 46	1880	****	1st Mortgage (gold) Dutchess and Columbia :	1,200,000	7*	June & Dec.	Miw York.	1900	
General Mortgage	634,000		a a		1892		Dutchess and Columbia : ist Mortgage Jan. 1, 1868	1,500,000	7	Jan. & July,	New York.	1908	D Blaz
ist Mortgage, guar by L.M.R.R.	302,000	7	March & Sept.	New York.	1890		East Alabama and Cincinnati:				e Llafrantinde	1900	D mee
nnecticut and Passumpsic Riv.: New Mortgage for \$1,500,000	1,350 000	1	April & Oct.	Boston.	1893	100	1st Mort. endorsed by Alabama.	400,000	0	Jan. & July,		Sec. Box	
Coupon Noteslst Mort (Massawippi) guar. gold	129,000	7	June & Dec.	4	1881	934	1st Mortgage guar. by Pa. R.R. East Pennsylvania (Ph. & Rdg.)	140,000	7	Jan. & July	Philadelphis	1885	
lst Mort (Massawippi) guar. gold unecticut River:	400,000	6	Jan. & July.		1889	83	let Mortgage, guaranteed.	495,900	7	March & Sept	Philadelphia	1888	104
ist Mortgage skg fund mnecticut Valley:	250,000	6	March & Sept.	Boston.	1878		lst Mortgage, guaranteed East Tennessee, Virginia & Ga.:	0,000,000	1	E. 10000.000/A 1	Abie cama .	Linns	SEUCE L
mnecticut Valley : lst Mortgage	1,000,000	7	Jan. & July.	New York.	1901		18t Mort, skg fund for \$3,500,000	190,000	4	Jan. & July	A STATISTICAL OF Y	782-78	7 89
unnecheut western:	2 1		(S) 6 (A) (S	13	65648	1939	Trudonsed Donds (Past 1. % As 1	147,000	6	May & Nov		1886 1886	
lst Mortgage tax free onnecting (Philadelphia):	3,000,000	7	Jan. & July.	N. X. & Bost	1900		Endorsed Bonds (East T. & Ga. Company Bonds (E.T.& Ga.,old	92,000		Jan. and July		180-18	5
IN MULL ADOLD & LEZUU, UUU each	991,000	6	March & Sept.	Philadelphia.	1.2.3.4	1024	Company Bonds (" new			beened.		1876	
coperatown and Span, Valley:	100,000	7	March & Sept.	New York.	1889		Eastern (Mass.): 1st Mort. (Essex R.R.) assumed	194,400		March & Sept	Boston.	1896	2000
lst Mortgage	172 St 11	11/4	T TOURSON TO	- income	1.15	10.14	Loan of 1867		7	6 (847,690,8) 9	it small sho	1887	
IN MORIGAGE, COICLES AND	95,000		May & Nov.	New York.	1902		Loan of 1868 Loan of 1869		6	May & Nov	A TELL ADD	1889	
2d Mortgage				DM) was bard in	AUT OF	1	Ten year coupon notes		7		4.4	1882	****
THE WOLLESSES.	808,500 648,000				1891		Sinking Fund Bonds		1.7	May & Nov	PORTES	1884	*****
2d Mortgage, sinking fund umberland Valley:	B & dat	M	8 (030,301	*************	01.004	a Chall			6	March & Sept	Boston.	1898	IN LABOR TO
1st Mortgage	161,000 109,500		April & Oct	Philadelphia,	1904		Certif. of Indebt. Sept. 1, 1876 . Kastern Shore (Md.):	1 al 35 .	15	4 (008,817,8)	. COS. BET. 13E	Son de	518
2d Mortgage	81,800		Landon a	4	1884		1st Mortwage	200,000	6	Jan. & July April & Oct	Philadelphi	a. 1880 1886	
Mortgage Bonds of 1860	1	7	Jan. & July	New York.	1880		2d Mortgage	7 6 75 36 707	25	7. 1000 cont. in 1	43	10	Pro M
Mortgage Bonds of 1870	200,000	7	45 45	66 66	1890	***	1st Mortgage, convertible Elmira and Williamsport(N.Cen.)	3,000,000	8	March & Sept	New York	1890	
Mortgage Bonds of 1872 hav. Hazleton & Wilkesbarre:	200,000	100	: Jensel	Carrie allegan de	N. Irga	****	1st Mortgage guaranteed	1,000,000		Jan. & July		a. 1880	1014
1st Mortgage	1,400,000	7	April & Oct	. Philadelphia.	1887	40	Income Mortgage guaranteed .	. 570,000	5	April & Oct	. ly S. Car.	2862	60
2d Mortgage	300,000	1	T DOLACE	www.mellook.w	(Linu)		Erie Railway: 1st Mortgage, extended	. 2,483,000	7	May & Nov	New York	1897	1124
Wennort and St. Paul	2,000,000	7	* April & Oct	New York	1909		2d Mortgage	a And I moved	7	March & Sep		1879	100
JAN MOTE COLD alor for \$20,000 to to	3,000,000	7	April & Oct	New York.	1911		4th Mortgage convertible	2.937.000	7	April & Oct		1880	108
lst Mortenge einking fund guer	1.855.000	100	Jan. & July	Contract des	1981		5th Mortgage convertible Buffalo Branch, 1st mertgage	182,600	7	Jan. & July	W 4 . W. I 4	1888	
au Mortgage omer	441 188	7	March & Sept	margan March	1884		Buffalo Branch, 1st mertgage. Sterling loan (£1,000,000) cony 1st Consol Mort. for \$30,000,000 2a Consol Mort. for \$40,000,000 Convertible bonds.	4,457,714	6	March & Sep	London.	1875	guelrold
Toledo Depot bonda ynar	356,000	7	March & Sept	3 40 400	1888	4	20 Consol Mort. for \$30,000,000	14,400.000	7	June and De	NY&London.	11894	in drail
	1 10 10 1	10	2 000,000	Cred Melleut	L) 09s	A tol	Convertible bonds Erie and Pittsburg (Penn.):	. 10,000,000	7	J. A. J. and C	London.	1908	11 2000
1st Mortgage, registered 2d Mortgage	135,000	7	March & Sept	New York.	1879		Ene and Pitteburg (Penn.):	-000.000		Jano de July	New York	1882	
2d Mortgage. Income Bonds	1 252 448	5 6	4 4	a parish	1879		2d Mortgage	92,800	7	April & Oc	New York	1890 1898	8
		0 7	March & Sept	New York.	1881		2d Mortgage Consolidated Mortgage Equipment Mortgage Equipment Mortgage Buropean & N. American (Me.): Bangor City Bonds(1st m. 55 m lst L. M. (& 1st on 59, & 2d on 55 m New Mortgage for \$5,000,000. [Evansville and Crawfordsville: 1st Mortgage for Mileauke, from	2,192,000 750,000		April & Oc	(a. (.0) 512) 61 (a. (.0) 512) 64	1898	() (*****)
lst Mortgage (assumed)lst Mortgage ("Decatur, Sullivan and Mattoon:	495,000		Jan. & July		1905		European & N. American (Me.)	1 000	0.7	1 2 200 200 10	Condition Its Philadelphia	200 000	113 300034
lst Mortgage	\$00.000	0 8	March & Sep	. New York.	1901		let L.M.(& let on 59, &2d on 55m	2,000,00	0	Jan. & July March & Sep	t. H. Lot	1800	hit disease
lst Mortgage. Delaware and Bound Brook:	10 . 2	100	8.000,048	KINDRA WILL	ST DESIGN	n Phil	New Mortgage for \$6,000,000	o loto she	101	\$ ees,000,t-	***************************************		in Feed
elaware (P. W and Balt)	1,200,000	7	Feb. & Au	. Fulladelphia	. TA09	974	1st Mortgage (51 miles)skg, fun	802,00	1	Jan. & July	New York	1887	ab grade
		0	Jan. & July	Philadelphia	1895		Ist Mortgage (51 miles)skg, fun 1st Mortgage (109 m.) 1st Mort, (Rockville Extension) Evansville, Terre Haute & Chi.:	636,00	0 7	May & No	64	11887	or below
Delaware State Logo	170,00			Acces to 1	1880		Evansville, Terre Haute & Chi.:	147,00	+	1	A Thillies, mr. 445	SHE CTUTES	Sort. (C
		1		e Pigeon:	HEVF 3	\$ 500.0	Lat Mortgage, gold	775,00	0 7	May & No	New York	1900	mered.
Convertible Ronda	600.00	0 7	March & Sep	atheren:	1892	107	Ist Mortgage, gold. Fall River, Warren & Prov. (B&F 1st Mortgage.	200,00	0 7	Jan. & July	y. Providence	1882	Morten
1st M. Evt (" Bloomsburg	210,20	0 4	Apr. and Oct	L. H. A. m. H.	1880	200	Fitchburg: Bonds of 1874	500,00	I E	2000,000		1894	MOTE STORY
Denver & Rossillan Track Track		. 15	March & Sep	Land Day of Land	1885	***	Flint and Pere Marquette:	300,00					and the second of
Denver Pacific	. 550,00	0	May & No	v. Kansas City	y. 1900		1st Mort. Land Gr. (8d series).	2,210,00	8 6	March & Sep	New York	1888	areasa)
let Mortgage gold, land grant.	2493.00	0	* May & No	New York	1899		1st Mort. (Bay C. & L.Jag.)gua	r. 100,00	010	Jan. & July	Newark.	1882	D 88.00
let Mortgage gold, land grant Denver & Rio Grande(3 ft.gange)		1	1.080,000,77	District at	- 13	1 Die	Fint and Pere Margnette: 1st Mort. Land Gr. (3d series). Flint & Holly S. F. (\$25,000 p.y. 1st Mort. (Bay C. & k. Jag., gua Bay County Bonds (guar.) 1st Mort. skg.fd.(H., W.& Mon Consolidated Sinking Fund Construction Loss	75,00	0 10	March & Bep	New York	1887	Sure services
Des Moines and The The	3,024,00		May & No				Consolidated Sinking Fund.	1,771,00	0	May & No	CTICLETON	1902	of Illian
lst Mortgage (ser you)	1 9 400 00	m	a Ton & Tul	New York	11004		Construction League	280.40	6 8	Jan. & July	1 S B S . CO 1	11876	o Kille

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An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	Rate	When	-	Payable. Where.	Due	Price	Description of Bonds.	Amount.	Rate.	When.	Where.	Due	
rida :	2 84 0	7	1,000,005	2	erro (SMUS GO)	G10 .	1016	Huntingdon and Broad Top Mt.:	T. Igt . m	-	0000000	and other if he	-	-
Mortgage conv. gold	2,300,000	7*	Jan. &	July.	N. Y. & Lond.	1889		1st Mortgage gold	416,000	7*	April & Oct. Feb. & Aug.	Philadelphia.		
shing, North Shore and Cent.: Mort. (Flush'g and N. Side.)	800,000	7	May &	Nov.	New York.	1889		2d Mortgage Consolidated Mortgage	267,500 1,383, 0 00	7	April & Oct.	and all Man was	1895	
Mort (" ")	400,000	7	46	. 4.		1900		Illinois Central:	11/2 10 20		350 00 1 1 3	in so all yet bliss	Selfret	
t Mort. (Central of L. I.) t Mort. (Cent. R. R. Exten.).	1,000,000		Mar. &		4 4 4	1902		Redemption bonds, currency General Mortgage for \$15,000,000	2,500,000 2,500,000		April & Oct.	New York.	1890 1895	
t Mort. (North Shore)	200,000 149,000		May and Feb. &			1885		Sterling Bonds, Sinking Fund	4,598,000			London.	1903	
Mort. (Whitestone & W.)	93,000	7	Jan. &	July.	a a a	1893		Illinois Grand Trunk (C., B. & Q.):	2 2 57	1	(000) all	0 4	0.000	
t Mort. (N. Y. & Flushing.)	25,000	7	Mar. &	sept.	. 44	1880		1st Morigage, guaranteed Indiana and Illinois Central:	900,500	8	April & Oct.	Boston.	1890	į
da, Johnste'n & Gioversville : t Mortgage	800,000	7	Jan. &	July	New York.	1890		1st Mortgage gold	3,500,000	7*	Jan. & July.	New York.	1901	
Wayne, Jackson & Baginaw:	000,000		-	o any.	J10.7/30 Fe	1000	111	Indiana North and South:	L A du		100 - 1		-	
Mortgage, traffic guarantee Mortgage (Equipment)	1,500,000		Jan. &		New York.	1889	***	1st Mort.(Nor.Div.) \$22,000 p.m.	1,700,000	7*	March & Sept.	New York.	1903	
Wayne, Muncie & Cin.:	500,000	8	April &	Oct.	21.16 st.(1) /e	1881	****	Indianapolis, Blooming. & West.:	5,000,000	7=	April & Oct.	New York.	1909	
Mortgage	1,800,000	7*	April &	Oct.	Boston.	1899		1st Mortgage gold	5,5 10,000	7*	Jan. & July.	4 4 4	1912	
Mortgage	500,000	8	6	46	My I	1896		2d Mortgage	1,500,000		u u	88 .88	1890	
mingham and Lowell:						1	- 00	Indiauapolis and Madison:	000 000		35 6 37	W TI	1001	
Mortgage	100 000		April &	OCE.	Boston,	1890	89	1st Mort. assumed by J., M. &I. Indianapolis & Vincennes:	397,000		May & Nov.	New York.	1881	ĺ
derick and Pennsylvania Line:	200 000	8	107715707	1 .	STREET, STREET	1000		1st Mortgage guar. by Pa. R. R.	1,700,000	7	Feb. & Aug.	New York.	1908	j
t Mortgage gold	150,000	6*	April &	Oct.	Baltimore.	1901		2d Mortgage guar. by Pa. R. R International and Gt. Northern:	1,450,000	6	May & Nov.	64 46	1900	į
mont, Fikhorn & Mo.(SC&P):			500,320		1001 1 51	A. Taris	DOM.	International and Gt. Northern:	0.040.000			W W L	1011	
t Mortgage ena & Chic. Union (C.&N.W.):	690,000	7	April &	Oct.		1901	****	1st Mortgage s.f. (Intern. R. R.) Convertible B'ds("	3,040,000 1,478,000		Feb. & Aug.	New York.	1911 1892	
t Mortgage	1,692,000	7	Feb. &	Aug.	New York.	1882	107	1st Mortgage(Hous,≫, N.RR.)	4,211,000		Jan. & July.	46 46	1900	
Va Harrisburg & Ban Antonio.	10. 30. 710	100	200.00	-	PACESAL SHITE IS	1300	SUM	1st Mortgage(Hous.&Gt.N.RR.) Convert.B'ds(""	1,677,000	8	Feb. & Aug.	44 44	1892	i
t Mortgage	1,700,000	6,	Feb. &	Aug.	Lond. or Bost	1910		Indianapolis, Cin. and Lafayette:	0 000 000	-	B	N W-1	1007	
veston, Houston & Henderson: t Mortgage	1,493,000	78	Jan. &	Jul	New York.	1800	824	1st Mortgage of 1867	2,800,000		June & Dec.	New York.	1897 1899	
eva, Ithaca and Athens:	1,200,000		anti e	July.	LIOW LOIK.	1890	0.44	Funded Interest Bonds, coupen.	469,100		March & Sept.	11 11	178-1	į
t Mortgage, skg. fd., guar rgia (and Banking):	600,000	7*	Jan. and	July.	New York.	1890		Equipment Bonds, registered	375,000	10	14 41	64 66	1883	į
rgia (and Banking):	400.000	-			C 16 0 1 10 10	1000	10000	1st Mort. (Ind'polis & Cin.) 1858.	1,600 000		April & Oct.	46 46	1888 1892	
ompany bonds (debentures) nan, Clinton & Springfield :	530,000	1	Jan. &	July.	Augusta	'75-'90		2d Mort. (Cin. & Indians) 2d Mort. (")guar.	1,497,000		June & Dec. Jan. & July.		177-1	
t Mortgage gold	2,000,000	70	March &	Sept.	N.Y. & Lond	1900		Indianapolis and St. Louis:	2,20,000	1	L outy.			
Mortgage gold			Jan. &			1892		1st Mortgage)	11 20 710	7	Jan. & July.	New York.	1919	
hen and Deckertown (Erle):	040 500		Yen &	Techni	Mark White		Lin	1st Mortgage	2,000,000	7	March & Sept.	4 4	1919	
t Mortgage nd Rapids & Indiana:	240,000	12	Jan. &	July.	New York.	1888		1st Mortgage)	1,000,000		April & Oct.	44 44	1900	
Mortgage L. G. guar. gold	4,000,000	74	Jan. &	July.	New York.	1899	85	2d Mortgage Equipment Mortgage			Jan. & July.	44 44	1881	
Mortgage L. G. guar. gold Mort. L. G. not guar. gold, ad River Valley (Mich. C.):			April &	Oct.		1899	****	Ionia and Lansing (D., L.&L.M.)			-		1,000	
nd River Valley (Mich. C.):	1 000 000		Ton &	Teles	Moss Wash	-	941	1st Mortgage traffic guar	770,000		Jan. & July.		1890 1886	
Mortage guar by Lessees.	1,000,000 500,000		Jan. & March &	Sent.	New York.	1886	85	lowa Falls and Sioux City.	81,000	0	May & Nov.		7000	1
Mortgage, guar. by Lessees ad Trunk (Ca.):	000,000	-	1	Lope	market and	1018	1000	1st Mortgage	2,960,000	7	April & Oct.	New York.	1917	ļ
unipment Bonds £500.000	2,500,000	6*	April &	Oct.	London,	1877	****	Iowa Midland (C. & N. W.):	8.6.25	1	DESCRIPTION OF	12 X	1	
quipm't Bonds No. 2 £500,000 ostal & Military b'ds £1,200,000	2,500,000	6*	Jan. &	July.	4 11.11	1920	****	1st Mort., \$18,000 p.m., guar	1,350,000	8	April & Oct.	New York.	1900	,
t Preference Bonds £3,218,149	16,000,000	5#	Feb. &	July.		Perp.		lironton (Penna.)	100,000	7	May & Nov	Philadelphia.	1875	í
Preference Bonds £2,327.808	11,639,040	4*	4	. 4	и	Hireu.		tinaca and Athens (Penn.):	10 Ta 35 2	1	To those to	· contraction	1.00	
Preference Bonds £7,163,910	85,819,550	4*	44	44		46		1st Mortgage gold, skg fund Jackson, Lansing & Saginaw(MC)	600,000	7	Jan. & July.	New York.	1890	j
rovincial Debentu's £3,111,500 at Western of Canada	15,557,500	***	********	****	Ottawa,		****	Jackson, Lansing & Saginaw(MU)	1,317,000	8	Jan. & July.	New York.	1885	į
ortgage Bonds £127,000,	635,000	6	Jan. &	July.	London.	1876		1st Mortgage guar	810,000		May & Nov	44 44	1890	
ortgage Bonds £547 000 ew Bonds £1 000,000	2,785,000	254	April &	Oct.	44	777-78		2d Mortgage guar	158,000	8	March & Sept	44	1878	
ew Bonds £1 000,000	5,000,000	6	June &	Dec.	15 T.	1890		Consolidated Mortgage (236 m.	1,968,000	8	a a		1891	į
ebenture Bonds £1,748,160 at Western Railway of 1859:	8,715,900	5	Jan. &	July.		Perp.	****	Jacksonville, North West & S. Kast 1st Mortgage	610,000	7	Jan. & July	New York.	1902	Ł
t Mort, ass'd by T., W. & W.	2,500,000	7	Feb. &	Ang	New York,	1888	1061	Jacksonville, Pensac. and Mobile	010,000	1.	Jan. & July	ANGH. AUIM	1.00	
A JMLOX beq	2,500,000			Nov.	. 44	1893	624	1st Mortgage	472,000		Jan. & July	New York.	1880	
en Bay and Minnesota:	0.400.000	-	8 000,000	A	and Heavy	1	100	Jamest'n & Frank. (L.S.& M.So.)	3,000,000	8			1899	,
t Mortgage enville and Columbia:	2,400,000	1.	Feb. &	Aug.	**********	. 1900		lat Mortgage guaranteed	433,000	7	Jan. & July	New York.	1897	ı
t Mortgage guar, by S. Car	1,426,546	7	Jan. &	July.	Columbia.	'81-'86		2d Mortgage guaranteed	500,000		June & Dec		1894	
Mortgage not guaranteed	376,766		44	44	11	'81-'86		Jefferson (Erie):			7 -0,000			ĺ
enwich and Johnsonville:	200 000	1	36	97	17 77 1	0,030	1	1st Mort. (Hawley Section)	204,000		Jan. & July	New York.	1887	
t Mortgage	185,000	1	May &	NOV.	New York.	1889		2d Mort. (Uarbendale Section).	2,000,000				1889	
t Mortgage (Construction)	1,386,000	170	Jan. &	July.		1902		Jeffersonville, Madison & Indian.	2000,000	1	Transmitted	THE PROPERTY AND	100	
nibal and Naples(T. W.&W.):	KE ban so	10	\$ 10pt.10	1 6	SALAS WILLIAMS	92. 11	Tioli	1st Mortgage consol	2,474,000		April & Oct		1906	
t Mortgage	675,000		May &		New York.	1898	83	2d Mortgage consol	2,000,000		May & Nov		1910	
Mortgage	225,000	7	Jan. &	outy	for the season	1890		Jersey City and Albany	A L	1	140V		100	
Mortgage, tax free	1,000,000	7	May &	Nov.	New York,	1890	80	1st Mortgage	250,000		Jan. & July		1913	
Mortgagenibal and St. Joseph:	250,000			44 .		1892	78	1st Mortgage 1st Mortgage (Ridgefield Park). Joliet and Chicago (C. & Alton):	300,000		May & Nov		1912	į
inibal and St. Joseph:	1,500,000	1.	Jan. &	Trales	New York.	177 10	101	Ist Mortgage skg fund guar	336,000	8	Jan. & July	New York.	1882	Ì
issouri State Loan	1,500,000		4	et .	4 CH	197 191	105	Junction, Philadelphia:	Dodyook	1º	Jan. & July		1 440	
fteen years' bonds (277 m.)	8,798,000	8	March &	Sept		1885	914	1st Mortgage, guaranteed	500,000		Jan. & July		1882	
t Mort. (Q. & Palm.R.R. 15 m)	500,000		Feb. &	Aug		1892		2d Mortgage not guaranteed	800,000	6	April & Oct	· · · · · · · · · · · · · · · · · · ·	1900	
t Mort.(K.City&Cam.RR55m) eneral Land Mortgage (277 m.)			Jan. &			1886 1888	106	Junction and Breakwater: 1st Mort, guar, by Delaware	352,000	6	Jan. & July	New York.	1890	j
lem Extension:	642,000	16	Trpin de	000	59, 600 100 000	1009	100	Kalamazoo, Allegan& Gr. Rapids	to R. W. of St.	1	N 000,000			
t Mostgage	4,000,000	7	Jan. &	July	New York.	1890		1st Mort, assumed by LS&MSo	840,000	8	Jan. & July	New York.	1888	ļ
risburg & Lancaster:	100/000	1.	Tan A	Tele	Philadelphia	1000	3 42 X	Kalamazoo and Schooleraft: 1st Mort. assumed by L.S.& M.S	100,000	8	Jan. & July	New York.	1887	į
t Mortgage, guar. by Pa. R.R tford, Providence and Fishkili:	700,000	10	Just 48	oury	Philadelphia	1883	105	Kalamazoo, & S Haven (M.Cen.)		10	oan de ouly	ATOM A OF RE	100.00	
t Mort. (R. I. 26.32 m.)skg fund	481,000	7	Jan. &	July.	Providence.	1876		1st Mortgage guar, by leasees	710,000	8	May & Nov	New York.	1889	
t Mort. (Conn. 96.94 m.) akg f'd.	1,574,500		4	. 66	Hartford.	1876		2d Mortgage "	70,000	8	Sacos'att a	contract de	1889	1
y, Wayne & Monroe(F&PM): Mortgage guar., tax free	1,000,000	1 -	Ten 6	Inter	Mary Wash	1001	HOL	Kalamazoo & White Pigeon:	300 000		Jan. & July.	New York.	1890	j
voke and Westfield:	1,000,000		Jan. &	ouly	New York.	1901	****	Ist Mort. assumed by L.S.& M.S Kansas City and Cameron:	200,000	1.	Jau. & July.	. marrie a plant	Lion	
t Mortgage	200,000	7	April &	Oct	Boston.	1891		1st Mort, ass'd by Han. & St. Jo	1,200,000	10	Jan. & July.	New York.	1886	į
IBALINGING:	O 29 111	11	0,000,0	14		2721		1st Mort., ass'd by Han. & St. Jo Kan. City, St. Jo. & Coun. Bluffs	10% & sto	12	7 (dist.076 %	**	1,000	,
Mortgage	100,000		Feb. &	Aug	New York	1885		1st Mort. (C. B. & St. Jo. 52 m.).	600,000		Jan. and July.	M. A. C. DOBE	1880	
l Mortgage of 1868quipmant Bonds	300,000		April a	O.C.	Brpt. & Best Bridgeport.	1883		2d Mort. (" "). 1st Mort. (St. Jo. & CB. 78 m) conv.	1,400,000	10	March & Sept	M	1992	ì
aston and Texas Central:	111 to 35 V	11.5	H 088,00		war and obout	2000	****	1st Mort. (Mo. Valley 130 m.)	1,500,000	7	Feb. & Aug.	New York.	1893	3
t Mortange L.G. skg fund, vold.	7,479,000	1	Jan. &	July	New York.	1881		lst Mort. (")gld	1,000,000	7	66 66	residency dis Combin	1893	
	2,500,000	4 30	10 m 20 2 lb	0,84	110 M 20, 17 M	1508	****	New Consol. Mort. (260m.)cony New Consol. Mort. for \$8,000,000 Kansas City & Santa Fe (LL&G)	887,000		March & Sept. Feb. & Aug.	Booten a	100	
at Mortgage (Western Div.) onsolidated Mortgage dson River (N.Y. Cen. & H.R.):	2,700,000	of the	April &	Chart	ALL PRINCES AND A	1912	0.00					Boston.		ø

An Asterick (*) fixed to rate of interest signifies "Payable in Coln."

Section Part Color Part Part Color Part Color Part Color Part Color Part Part Color Part Col	Description of Bonds.	Amount.	Rate.	When.	Payable. Where.	Due.	Price	Description of Bonds.	Amount.	Rate.	When.	Where,	Due	Polos
19. Mort 1. 20. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19		. 8		100 4000 1000		0.002	-	Louisville, Cincin. and Lexington:	3	07	a state to the	Now York	Par	-
18 Mort C. (20, 100) 18 Mort (1, 100) 18 Mort	Mort. (2d Div. 253 94 m)gold.		6*	Feb. & Aug.	N.Y.&St. Lo.	1895	64	Bonds to State of Kentucky		7	Jan. & July.		Perp. 1897	1:
14 Mort (Lawrenworth Financh)	M.(3dD.244.66m.& 3,000,000a)	6,411,000	7*	May & Nov.	N. Y. L. & F.	1899		2d Mortgage for \$1,000,000	878,000			The second secon	1900	1
14 Mort (Lorent Profess) 200,000 2 May & Nov. 1 March & Sept. 1 March & Sept	Mort, (1.000,000 acres)		7	March & Sept.	N. Y. & St. Lo.	1980		Louisville Loan		6	Jan. & July.		1881 .	8 ::
all Mort (Corpor in Lexingtons) March & Sept. Philadelphis 1890 Mort (Corpor in Lexingtons) March & Sept. New York. 1895 Mort (Corpor in Lexingtons) March & Sept. Mort (Lexingtons) March & Sept. Mort (Lexingtons) March & Sept. Mort York. 1895 Mort (Lexingtons) March & Sept. Mort York. 1896 Mort (Lexingtons) Mort (Lexingt	Mort. (")gold		7*	March & Sent	M. I., L. & B.	1886		let Mort. (Louis., Cin. and Lex.)	21,000	8	April & Oct.		1902	
all Mort (Corpor in Lexingtons) March & Sept. Philadelphis 1890 Mort (Corpor in Lexingtons) March & Sept. New York. 1895 Mort (Corpor in Lexingtons) March & Sept. Mort (Lexingtons) March & Sept. Mort (Lexingtons) March & Sept. Mort York. 1895 Mort (Lexingtons) March & Sept. Mort York. 1896 Mort (Lexingtons) Mort (Lexingt	Mort. (Leavenworth Branch)	600,000	7	May & Nov.	N. Y. &St. Lo.	1896		lat Mortgage (Shelby R. R.)	88,500	8	June & Dec.	Liney - y dyne	1881	1
18 Mort (Left)	Mortgage (Gov't Subsidy)		6	Jan. & July.	N. V. L. & F.	1916		Ten Year Mortgage Gold bonds	2,000,000	7*	May & Nov.	New York.	1883	1.
18 Mort Corp. See Lecturations 20, 20, 20, 20 and 2	t County (Del.)						1	Mort. main office lot & building	80,000	7	16		1883	
Montage March Ma	Mortgage for \$600,000	400,000	6	Jan. & July.	Philadelphia.	1880		1st Mort. (Leb. Br. Ext. 78.2m.).		7		New York	'80-'84 1901	
Mortgage 1,000 1	Mort. (Cov'gton & Lexington	844,000	7	March & Sept.	New York.	1883		1st Mort. (Memp. & Clarksv. Br.)		6*	Feb. & Aug.	44 46	1902	1
Section Sect	Mortgage					1885		Consol.M.for \$8,000,000(392 m.).		7	April & Oct.		1898	7 1
Problem District Problem Pro	Kuk and Des Moines:	1.947.000	7	April 4. Oct.	New York.	1904		Louisville Loan (Lebanon Br.).		6	May & Nov.		1886	1
18 Mortgage traffic grant	inded Interest	254,300		Transfer of the	" "			Louisv. Loan (Leb. Br. Exten.)			April & Oct.	Louisville.	1893	T
Crosses, Prompelent & Proceedy. Mort, assumed by C. A. V. W. 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1917 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000 7 per b. & Am. New York. 1919 1,000,000	kuk and St. Paul (C.B.& Q.):			4	Destan	1000	1018	Louisv., N. Al. & St. Lo. Air-Line:	9 875 000	78	Jan & July	New York	1892	1
** Mort seasured by C. &N. W. ** **Affire A. Morrigone Comparison of the Comparison	rosse. Trempeleau & Prescott	310,000	0	April & Oct	Boston,	1019	1014	Macon and Augusta:	2010,000		oam a buly.	Tion Tolk		1
1. Morne & Billows (C. W. e. W.) 1. 1,00,000 7 Peb. & Aug. New York. 1891 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1892 2 1. 1,00,000 7 April & Oct. New York. 1893 1. 1,00,000 7 April & Oct. New York. 1893 1. 1,00,000 7 April & Oct. New York. 1893 1. 1,00,000 7 April & Oct. New York. 1894 1. 1,00,000 7 April & Oct. New York. 1894 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 7 April & Oct. New York. 1895 1. 1,00,000 April & Oct. New York. 1895 1. 1,0	t Mort. assumed by C. & N. W.	1,000,000	10	April & Oct	New York.	1877		1st Mortgage end.by Ga. R. R			Jan. & July.	New York.	1877	
**Morrigage 30, 1900 pr. m. 1,000,000 7 Feb. & Aug. New York. 1901 40 15	Blooming. & Miss.(TW&W)	1 200 000	71	Woh & Ana	Now Vork	1901	70	Construct Mort and by G. P.P.			4 4		1887	7
1. Stringer gold guar. 1.000.00 7 1.00 1.	Muncie & Bloom (TW & W)	1,000,000	1.	reo, & Aug	New LUIL.	1001			0,0,000	00	The second	Bull 1	N. S.	-
1 Mortinges	Mortgage gold guar	1,500,000	7	Feb. & Aug	New York.	1901	40	1st Mort. endorsed by Ga				New York.	1887	
Mortgage 1		1 002 000	7	April & Oat	New York	1892	1	2d Mortgage	1.100,000			- 41	1889	1
## addition and Perfages July	Mortgage	590,000		Jan. & July	8 H		1	Edmbment Worthale	150,000		4		1879	1
se Shore & Michigan South n., 144,000 7 April & Oct. New York. 1970 1000. Mort., S.F., Coupon	e Untario Shore :	A 1. NO. 1004			Com 13 and 3 a	I SAL		Madison and Portage:	600 000	20	April & Oct	Now Vork	1890	
April & Compost April & Co	e Shore & Michigan South'n	1,438,200	7	Jan. & July	New York.	1897		Maine Central:	200	10	april & Oct	NOW LOFK.	1000	
	nking Fund Mortgage	1,146,000	7	April & Oct	New York.			Consolidated Mortgage	1,680,500		April & Oct.	Boston.	1912	9
Consel. Mort. (pr. pr. pr. pr. pr. pr. pr. pr. pr. pr.	onsol. Mort., S.F., Regist'd		1 7	J. A. J. & O				Extension (gold) Loan	756 800 496 500		April 4: Oct	***	1898	ß
Sample of 1892 (Reg. & Coupon) April & Oct. a 1882 to to to to to to to t	Consol. Mort. for \$25,000 000	A CONTRACTOR		June & Dec				1st Mort. (Belfast & Moosehead)	100 000	3	May & Nov.	Belfast & Bost	1890	ı
Section Control Cont	onds of 1882 (Reg. & Coupon	3,395,000	7	April & Oct		1882		\$1,100,000 (A. & Ken.) Loan	1.100,000	6	Jan. and July.	Boston.	140-1	
Mort C 1	ake Shore Dividend Bonds			-	A CONTRACTOR OF THE PARTY OF TH			Consol (Port & Kennebee) Lose	1.166.700		April & Oct.		1885	
Mort (Clored and & Toledo	Mort. ("	1,000,000		April & Oct				20 Mort, (Somerset & Kennebec)	200,000		June & Dec.		1876	į.
Mort C. (Gleveland & Toledo) 1,605,000 7 Jan. & July. 1	t Mort. (Mich. So. & Nor. Ind.	5,256,000	7	May & Nov				1st Mort. (Leeds & Farm'gton).	633,000		Jan. & July.		1901	
Mort_C a a b 58,000 c d a b 58,000 c d a b b 58,000 c d d b b b b b b b b			7	1_				Mansfield & Framing (R.C. & R.)	4.25,000	0	L. Mindel D	no mag if middles	1891	
ort Bonda (Mort. ("	849,000			46 66			1st Mortgage, guaranteed	300,000	7	Jan. & July.	Boston.	1880	
ort. Bonds (**1. **1. **1. **1. **1. **1. **1. **1	ort. Bonds (Buffalo and Erie	200,000		Jan. & July				Marietta and Cincinnati:	1 050 000		Web & Ann	London	1891	
18. (Detr's, Morrore & Foledo) 024,000 7 Feb. & Aug. 1906 024,000 7 Feb. & Aug. 1908 024,000 7 1908 024,000 8 1 1 1908 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 1 1909 024,000 024	ort. Bonds (" "			April & Oct				18t Mortgage Dollar	1 2.450.000		a a Aug.		1891	
1. 1. 1. 1. 1. 1. 1. 1.		924,00	7	Feb. & Aug	46 46			2d Mortgage Dollar	2,500 000	7	May & Nov.	44	1896	
5 M. (Kal., Algaga & Gr. Rap.) 460,000 7 460,000 8 4 4 4 4 4 4 4 4 4	t M. (Kalam. & White Pigeon	400,000		Jan. & July				ou Mortgage Dollar	3,000,000		Jan. & July.	70.	1900	
i. M. (Kal., Allegan & Gr. Rap.) 540,000 7 3 3 4 4 4 3 3 3 3 3	t M. (Kajamaz & Schooleraf)	100,000			4.1 - 4.1			1st Mort. (Scioto & Hock, Val.)	300,000			CHARLEST PLANE THE STATE	1908 1888	g
1 M. (t M. (Kal., Ailegan & Gr. Rap.	840,00						Marietta, Pittsburg & Cleveland :	17.		the American States	The second second second	US	
s Shore & Tuscarawax Valley 2,000,000 7	t M. (Jamestown & Franklin	433,00						lst Mortgage gold	1,500,000	7	Feb. & Aug	New York.	1895	63
Mortgage of \$1,000,000 600,000 7 April & Oct. Cleveland, O. 1901 1804 18	e Shore & Tuscarawas Valley	500,000	1	June & Dec		109.7	1	1st Mortgage (Marg. & Ont.).	1,760,000	8	Jun. & Dec	New York.	1892	5
1800,000 7 1800	t Mortgage gold	. 2,000,000			. Cleveland, O	. 1901		1st Mort. (Houghton and Ont.)	2,000,000	8	Jan. & July	44 16	1892	П
is Superior & Miselssippl: is Mort, again and gold tax free. is Mort, again and gold tax free. is Mort, again and Delaware: is Mort,	Mortgage, for \$1,000,000	696,000				1900		Massawinni Valley (C. & P. P.	1,454,000	8-1	o various.	Authory Versys	92-1	R
Mort gold tax free a down 3,00,000 7° April a 0ct a a 1902 a a a a 1902 a a a a 1902 a a a a a a a a a	ke Superior & Mississippi :	100,000	9	may a Mot		1004		1st Mortgage guaranteed	400,000	6	Jan. & July	Boston.	1889	ň
New York 1895 1895 1896 189	st Mort, skg fund gold tax free		0 7	Jan. & July	NY. Bost. Pl	1. 1896		Maryland and Delaware:		1	1	- 2 Landard -	A Sund	
Mortgage	Mort gold tax free and conv	3,200,00	0 7	April & Oct				2d Mortgage	180,000		June & Doc	. Boston.	1885	1
Morting Mort	vrence (P. Ft. W. & Chi.):	. 0,200,00	0 10	-	100	1902		Massillon & Cleve, (C.M. V.& D.	100,00	1	alus I des	Commented (St.)	Vodla	
18 Mort gaze to work 18 Mort gaze tax free 18 Mort gaze (new loan) 18 Mort gaze (new loa	t Mortgage, guaranteed		0 7	Feb. & Aug	New York.	1895		lst Mortgage guaranteed, gold.	100,00	7	Jan. & July	. New York.	1890	1
st Mort, skg fund conv., gold	st Mort guer by Pag of Mo	500.00	0 7	Anril & Oc	New York.	1890		1st Mortgage	500,000	7	Jan. & Inly	New York	1890	E
st Mort. & G. C. & San. Folyuar. st Mort. (Southern Kan.) guar. st Mortgage tax free st Mortgage (new loan) st Mortga	ven., Lawrence & Galveston		1	1	1			Memphis and Charleston:		1	The state of the state of	Transport Loan	A DOME	
180,000 180,	st Mort. skg fund conv., gold	. 5,000,00	0 10	Jan. & July	N. Y. & Bos	1899		1st Mortgage, Cenvertible	1,293,00	7				
Sept	t Mort (Southern Kan.) gua							Tennessee State Loan	1,814,14	2 6	and a sury	1 11	1885	14
Section Sect	nigh and Lackawanna:	1	1					Income Bonds	600,00	10	March & Sept	46 46	773-	71
## Mortgage (new loan)	Mortgage tax free	300,00	0 7	Feb. & Au	g. Philadelphia	1897	****		1 800 00	8	May A Nov	New York	1890	
Emeral Morts, for \$40,000,000 6,000,00	st Mortgage (new loan)	E 000 00	0 6		c. Philadelphia	. 1898		2d Mortgage	1,000,00				1000	
Semeral Mort, for \$40,000,000. Semeral Morts, registered Semeral Morts, register	st Mortgage (")reg	5,000,00	0	3 to 16	- 44	1898	109	Michigan Air Line (Mich. Cent.)	000.00	1	Mariantar	No.	1000	
Section Sect	u Mortgage for \$6,000,000	6,000,00	1 4	June & De	No.			Michigan Central:	1	1 8	may and Nov	New York	. 1890	1
New York 1890 New York	eneral Mort, registered	glagglag			- 44			1st Mortgage, convertible	. 556,00	0 8	April & Oct	Boston.	1882	B
St. Mortgage gold	Wisb. Centre & Spruce C. (P& E):1	0 .	Way & Wa	Philadelphia	1000		Coppel Mortgage for \$10,000 co	1,508,00		May & Nor	Now York	1882	
St. Mortgage gold	digton & St. Louis (A.&P.):	1,040,00	10	may at No	v. Limaterpun	1002		1st Mort. (Mich. Air Line)assu's	1,900,00	0 8	Jan. & July	a a	1902	
September Sept	Mortgage gold	900,00	0 6	June & De	c. New York.	1899		Equipment Bonds for \$800,000.	600,00		Apr. and Oct	N. Y. & Bos		
Section Society Section Sect	de Miami :	1 400 00	10	May & No	New York	1883		let Mortgage	800.00	0 8	Jan. & July	New York	1889	
See Color	treet Connection Bonds	525.00		Jan. & Jul	y. Cincinnati.	1894		Mich. So. and North'n Indiana:	1	100	- Interpret	1 10 12 1 50 100	13	G
the Mortgage gold	incinnati Loan	100,00		May & No	v. "	1880		1st Mort. assum'd by L.S.&M.S			May & Nov	New York.		
and Grant sinking fund	st Mortgage gold	3,500.00	00	Jan. & Jul	V. N. Y. & Ros	t. 1900			4,082,00	1	A Common Colo	Use YF hose s	1877	1
the Schuylkill (Phila. & Rdg.): st Mortgage, Mg. Fd	and Grant sinking fund	2.000.00	00	7 4	" "	1905	40	1st Mortgage tax free	400,00	0 7	May & Nov	New York.	1886	3
st Mortgage, Sikg. Ed	tle Rock, Pine Bl. & N.Orlean	18:		A	Nom Wash	1000		Midland of Canada:	1 875 00	00	May & N	London	1904	ø
st Mortgage, Sikg. Ed	tle Schuvikill (Phila & Rde)	750,00	NO.	Apr. and Oc	New York.	1900		Midland Pacific:	1,010,00	9	May & NO	Toggod	1894	1
st Mortgage gold	st Mortgage, Skg. Fd	759,50	00	7 Apr. and Oc	t. Philadelphi	1877	101	1st Mortgage gold, tax free	. 1,100,00	0 7	Feb. & Aug	New York	1896	1
st Mortgage	gansport, Crawf. & S'wstn Inc	1 500 0		A LUNG 1		1		lat Mortgage	900.00	0	Reb & A.	Philadelphi	190	, i
st Mortgage (Extension) 175,000 7 8 Jan. & July, New York 1875 See Chicago, Mil. & St. Paul Milwankee, Lake Sh. & Western: 15,000 6 May & Nov. "1893 Ist Mortgage (Glen Cove Br.). 150,000 6 May & Nov. "1893 Ist Mortgage. 1893 See Chicago, Mil. & St. Paul Milwankee, Lake Sh. & Western: 1890,000 7 June & Dec. New York 1899 Ist Mortgage. "1893 Ist	ng Island :	1,000,00	10	F. M. A. &	New York	TA00		Milwaukee and St. Paul-	200,00	1 0	sen a Au	T.H. SO-III SI	1. 198	1
55 Mortgage (Glen Cove Br.) 150,000 6 May & Nov. " 1893 184 Mortgage	st Mortgage	500.00	00	6 Jan. & Jul	y. New York	1875		See Chicago, Mil. & St. Paul	1 100	1	STATE OF THE PARTY	Ca tol Just	140	ß
Teneral Mortgage. 775,000 7 " New York. 1899 162 Milwaukee and Northern: 1,625,000 8 June & Dec. New York.			00	7 Feb. & Au	g. Philadelphi	a. 1890		Milwaukee, Lake Sh & Western	8,000 00	0 .	June & De	New .	1902	į
ulslana & Mo. Riv. (Ch. & Al): 1,625,000 8 June & Dec. New York.	deneral Mortgage	775.0		a may a No	New York			Milwaukee and Vorthern	With the state	1	June & Dec	Men A. A.	A902	1
III MONTONIO	uisiana & Mo. Riv. (Ch. & A	1):			CALLES COLOR		6 111	1st Mortgage	. 1,625,00	0 8	June & Dec	New York	1890	E.
186 MORIPAGE	lst Mortgage	4,300,0	00	7 Feb. & An	g New York	1900	88	Mineral Point:			Jan & July	Detroit	1890	
Dulsville, Paducah and S. W.: 1st Mortgage			00	8 March & Sor	t New York	1890	1	Minneapolis & Duluth (L.S. M	.)	953	M	A	200	5

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bonds.	Amount.	Rat	When.	Payable. Where.	Due	Price	Description of Bonds.	Amount.	Rate	When,	Where.	Dae	1
inneapolis &St.L (Nor. Pacific)	1 10		Tr Hods	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		_	N.O., Jack, & Gt. N. (N.O. StL. & C.):		200		Lo. No. Jel Prosed	-	-
lst Mortgage gold, guaranteed	700,000	7*	Jan. & July.	New York.	1911		1st Mortgage	3,000,000 1,500,000		Jan. & July. April & Oct.	New York.	1886	1.
innesota and North Western: 1st Mort, gold, skg id & tax free	20,000pm	7*	Jan. & July.	Detroit.	1890		Consol. Mort. for \$8,000,000	3,000,000		Jan. & July.	4 4	1912	1:
1st Mort, gold, skg id & tax free ississippi Cent.(N.O.StL.&Chi.):	1,012,500	7	May & Nov.	New York.	74-184		New Orleans, Mobile and Texas: 1st Mort. (Mobile to N. Orleans)	4,000,000	7*	Jan. & July.	N V & Land	1915	
1st Mortgage2d Mortgage	2,000,000	8	Feb. & Aug.		1886		1st Mort. (N. Orleans to Texas)	7,250,000	8	44 44	New York.	1915	
General Mort. for \$8,000,000 gold ississippi, Ouachita & Red Riv.:	3,708,500	7*	May & Nov.		1912	****	2d Mort. endorsed by Louisiana. New York, Boston and Montreal:	2,825,000	8	a a a	1	1915	1
lat Mortgage gold	2,040,000	7*	Jan: & July.	************	1900		New York & Canada (D.&H.C.):	6,617,500	7*	Feb. & Aug.	N.Y. or Lond.	1903	
ississippi and Tennessee:	600,000	7	April & Oct.	Memphis.	1876		lst Mort. for £800,000, guar	4,000,000	6*	May & Nov.	London,	1904	
COMMONGRATION MEDITINGS AND ASSESSMENT OF THE PROPERTY OF THE	1,254,000	8	Jan, & July.	and a trade	'81-'93		New York Central & Hudson R.: Debt Certificates (N. Y. Cent.)	-			The Parketter	1883	1
Tennessee State Loan	430,547	10		in dirapping	****	****	Bonds for B.&N.F. stk (")	74,500	6	May & Nov.	New York.	1883	1
lst Mortgage \$20,000 p. m	800,000	7	Feb. & Aug.	New York.	1902	••••	Bonds for R.R. Stocks (") Bonds for Real Estate ("	592,000 162,000	6	a a	4 4	1883 1883	
ssouri, Iowa and Nebraska: lst Mortgage gold, sinking fund.	2,000,000	7*	June & Dec.		1910		Bonds of 1854 renewed (")	2,391,900	6	June & Dec.	164 dE	1887	1
lst Mortgage gold, sinking fund. Issouri, Kansas and Texas: 1st Mort. (U.Pac.S.Br.) skg fund	al allow		The state of the state of	New York.	1899		2d Mort. (Hudson River) S. F Bonds of 1871, tax free	1,794,000		April & Oct.	6 4	1885 1891	
at Mort. (Tebo & Neosho) S.F.	3,220,000 362,000	74	Jan. & July. June & Dec.	-44 -44	1903		lst Mort., coup. for \$80,000,000 lst Mort., regfd for £2,000,000 lst Mort. Sterling for £2,000,000	18,465,000	1 99	Jan. & July.	u u	1903	
Consol. Land Grant, skg fd gold Additional Consol. Mort	10,418,000 2,500,000		Feb. & Aug.	4 4	1904	55	1st Mort, Sterling for £2,000,000	9,733,333	1 6	66 66	London.	1903 1903	
Further Add. Consol. Mort	600,000		4 11 11 11		1906		New York and Harlem:						
smouri River, Ft. Scott & Gulf: let Mortgage, Land Grant, S. F.	5,000,000	10	Jan. & July.	New York.	1889	62	Consolidated Mortgage of 1863 Sinking Fund Mortgage of 1861.	103,000		Jan. & July.	New York.	1893 1881	
d Mortgagebble and Girard .	2,000,000	10	April & Oct.				Consol. Mort. of 1872, coupon.	10,500,000	1 19	May & Nov.	4 4	1900	
let Mortgage	377,500	7	Jan, & July.	Savannah.	1876		N. York, Housatonic & Northern		1			1900	
SU MIDITIPACIO.	300,000	8		New York.	1889		lst Mortgage. New York, Kingston & Syracuse:	249,000	7	April & Oct.	New York.	1902	
Plain bonds obile and Montgomery:	33,500	8	44 41	Savannah.	1887		1st Mort. for \$4,000,000.	2,500,000	7	Jan. & July.	New York	.902	
ist Mort, endor, by State of Ala.			May & Nov.	New York.	1900		1st Mort. for \$4,000,000	2,000,000	1		New York.	1903	
2d Mortgageobile and Ohio:	800,000	. 8	1	greats beinfu	1900		New York and New England:	1			4 14		
st Mortgage Sterling	5,686 000	64	May & Nov.	Mob. & Lond	1883		1 1st mortgage, old	923,000 343,000		March & Sept.	Boston.	1884 1905	
Interest bonds	1,524,300		. 4 4	Mobile.	76-183		New York and Oswego Midland	025,000	1		or office of		
Sterling Interest bonds Tennessee Substitution Bonds	769,920	6	Jan. & July.	London.	1883		lst Mortgage gold, tax free 2d Mortgage convertible	8,000,000	7	May & Nov.	New York	1894 1895	
Special Mort. (Gainesville Br'h)	1,688,000 53,000	8	May & Nov.	Mobile.	1.000		2d Mortgage non-convertible	1,500,000	7	"	44	1896	
d Mortgage Uonsol. Mort. for \$15,000,000	1,453,858	8	March. Jan. & July	1	1877		2d Mortgage non-convertible 3d Mort., Equipment 1st Mort., (West. Extension)	2,425,000			66	****	
Convertible 3 per cent. bonds ontclair (N. Y. and O. Mid.):	977,550	8	M. J. S. & D.	New York.			Consolidated Mortgage	1,400,000			"	****	
ontelair (N. Y. and O. Mid.): lst Mortgage gold, gnar	1,800,000	1000	March & Sept	Schullen and an ar-	t nu		New York, Providence & Boston 1st Mortgage		6	Feb. & Aug	New York.	1878	
d Mortgage	780,000	1	march & Sept				Extension Bonds	250,000	0 6	May & Nov.		178-18	81
d Mortgage	888,400	7				***	Norfolk & Petersburg (A.M.& O.)	. 63,000	7	Jan. & July		1899	
1st Mortgage	127,000			New York.	1888		1st Mortgage	. 300,000		Jan. & July	New York.	1877	
ontgomery and Eufaula :	47,000	7	April & Oct		1887	***	1st Mortgage	157,000 454,000		4 4	Norfolk.	1877 1893	
1st Mortgage end. by Ala. gold.	1,040,000	8		New York.	1886		North Carolina:				and the state of the		
1st Mortgage not endorsed onticelle and Port Jervis :	830,000	8	June and Dec		1900		North Eastern (S. Car.):	875,000	8	May & Nov	Co's Shops,NC	1878	
ist Mortgage gold, tax free orris and Essex (D. L. & W.):	500,000	7	J. A. J. & O	New York.	1890		1st Mortgage	820,00		March & Sept	Charleston.	1899	
orris and Essex (D. L. & W.): 1st Mortgage sinking fund, guar.	5,000,000	7	May & Nov	New York.	1914	117	2d Mortgage North Missouri (St.L.,K.C. & N.)	282,50	8			1899	
2d Mortgage guar Convertible bonds	8,000,000	7	Feb. & Aug		1891	106	1st Mortgage North Pennsylvania:	3,000,00	0 7	Jan. & July	New York.	1895	
Construction bonds	573,000		Jan. & July Feb. and Aug		1900	100	li lat Mortosoo	1.930.50	0 6	Jan. & July	Philadelphia	1885	
Gen'l M. (lat on Boonton Br.) gr.	4,991,000	7		45 46	1901	100	2d Mortgage. General Mortgage. North Shore (Flush., N.S. & Cent.	1,500,00	0 7	May & Nov	44	1896 1903	
Special Mortgage	1,025,000 3,239,000	7	June & Dec		1915	98	North Shore (Flush, N.S. &Cent	2,035,00	110	Jan. & July			
ashville, Chattapooga & St. Louis:	-1-1-	00	L THURSDAY		1774 '0		lst Mortgage Northern Central:	135,00	0 7	Feb. & Aug	New York.	1887	
1st Mort., endorsed by Tenn 2d Mort. (Hela by U. S. Gev.).	1,100,000		Jan. & July	New York.	'74-'8 '81-'9	1	1st Mortgage, Md. State loan 2d Mortgage S. F. Coupen	1,500,00		J. A. J. & O	Annapolis,	Irre	
New Mortgage	4,700,000			"	1913	84	2d Mortgage S. F. Coupen 3d Mortgage Coupon	1,490,00	0 6	Jan. & July April & Oct	. Baltimore.	1885	
let Mortgage sinking fund, guar	1,900,000	0 7	Jan. & July	New York.	1900	84	Mortgage coupon	2,599,00	0 6	* Jan. & July	. Baltimore.	1900)
2d Mortgage gold	206,00		* April & Oct		1887		Mortgage registered Consol. General Mort. S. F	200,00	OI 6	* April & Oct		113/00	
Bonds for freight depot	200,000	0 6	Feb. & Aug	Boston.	1892	103	Becond General Mort. coupon. Second General Mort. coupon.	3,000,00	0 5	14 14	Baltimore.	1926	3
Bonds for freight depot ewark & New York (U. of N.J.)	600,000	100	of the state of		1891		Northern New Jersey (Krie)	1,900,00	6	er er	"	1926	1
1st Mortgage guar ewark, Somerset & Straitsville	: 000,00		11.70		1		Northern New Jersey (Erie): 1st Mortgage skg fd guar	400,00	0 7	Jan. & July	Jersey City	1878	ļ
1st Mortgage goldew Bedford:	. 800,00	0 7	* May & Nov	New York	1889	91	Northern Pacific: 1st Mort. on R.R. & lands gold.	30.097.60	073	Jan. A. July	New York.	1900)
1st Mort. (New Bed. & Taunton	171,50	0 6	Jan. & July	Boston.	1881	9	Northwestern Virginia:	10	1	10	A PART TO SEC.		
New Issue for \$360 000	400,00	0 7		1000	1894	10	Northwestern Union (C. & N.W.	140,00	0 6	Jan. & July	. Baltimore.	1885	,
lat Mortgage	. 525,00	0 7	Various.	New Haven	. 98-'0	0	1st Mortgage. Norwich & Worcester (B.H.& E.)	. 3,500,00	0 7		New York.		,
lst Mortgage (coup. & reg)	3,000,00	0	May & No	New York	1889			400,00	0 6	Jan. & July	Boston.	1877	i
2d Mortgage	2,000,00			. 4 4	1881		Construction Bonds	240,00	0 7	44 44	4	1877	1
lew Haven and Northampton :	. 1 900,00	0	Jan. & July	y. N. Y. & N.	H. 1899	1.	Nyack and Northern:	150,00	00 3	Jan. & July	New York.	1890)
1st Mortgage	750,00	10	April & Oc	t. 44 44	180-18		lst Mortgage Ogdensburg and Lake Champlain	n: 200.00		111111111111111111111111111111111111111		1878	2
Low Jersey Midland (NY &OM.	200,00	0	1/2000.77	No Comment	1891		Equipment Mortgage	200,00			- 66	1879	9
1st Mortgage gold, guar	. 3,000,00		Feb. & An	g. New York	1895		I (Abic and Mississippi)	468,00				1890	1
2d Mortgage (ew Jersey and New York :	1,500,00	1	10 1 0.00,000	distribution	1881		Consolidated Mort. Bonds	3,067,00	00	Jan. & July	New York	1898	8
1st Mortgage	. 500,00	00	7* March & Sep	t. N.Y. or Lor	d. 1893		Consolidated S. F. Mortgage Consolidated Mort., Sterling 2d Consol. Mort. & S. F. Bond	3,478,00	00	4 4	46 44	1898 1898	8
new Jarsey Southern:			7 May & No	A section 2	and the Co	1	2d Consol. Mort. & S. F. Bond	s. 3,864,00	00	April & Oc	London. New York	1911	1
1st Mortgage 1st Mort. (Tom's River Branch	120.00	00	6 April & Oc 7 March & Sep	L. "	1888		Income and Funded Debt Bond	18 174.00	00	7 4	New York	1882	200
Causal Mort for \$7,000 200	5.302.00		7 March & Sep 7 April & Oc	i. u	1881	1:		140,00 1,915,00		May & No	New York	1905	
Income Mortgage	750,0	00	7 6 6	1	1881		1 Old Colony.	CONTRACTOR OF THE PARTY OF THE			- Allenond	1896	8
let Mort mid for 82 000 100	3,000 0	00	T May & No	v. New York	. 1900	1.	Plain Bonds	32,0	00	6 March & Sep		1884	4
TOP MICH EGIC. TOT GO. C.E. MICH.							Plain Bonds	1,450.0	1	7 Feb. & Au	16	1377	41

An Asterick (*) affixed to rate of nterest signifies "Payable in Coln."

Description of Bonds.	Amount.	Rate	When.	Where.	Due	Price	Description of Bonds.	Amount.	Rate	When.	Whore.	Due.	Prior
Dil Creek (Pittab., T. & Buffalo):	8			White delable	1000	96	Philadelphia, Wilmington & Balt.	\$ 040	-	Ton & Tolon	Dhile & Best	1004	10
1st Mortgage maha and Northwestern:	580,000	84	April & Oct.	rmindelpma	1896	85	Loan of 1867	1,000,000	6	Jan. & July. April & Oct.	4	1887	1.
1st Mort. Land Grant, Gold	16,000pm	7.3*	Jan. & July.	New York.	1901		Loan of 1872	700,000	6	4 4		1892	10
maha and Southwestern: 1st Mortgage \$20,000 p. m	1,034,000	8	June & Dec.	Boston.	1896	97	Pickering Valley (Phila. & Rdg):	800,000	6	Zerosto (grain)	21, 2 ₁ , 1cO 75791	1900	
Drange, Alex. and Manassas-	A 5 5 3 110.	Lin	1111.11.11	Buckl (l) oka	Don	1 +++	1st Mortgage, guaranteed Pittsburg, Cin. & St. Louis (Pa.):	831,800	7.	April & Oct.	Philadelphia.	1900	
See Wash. C., Va. Mid. & Gt. So. Dregon and California:	1 0 900	12		dilection Enter	there		1st Mort. (Col. & Newark Div.)	775,000	7	Jan. & July.	Philadelphia	1890	
1st Mortgage gold	10,950,000	7	April & Oct.	New York			1st Mort. (Steub. & Ind.) conv.	3,000,000	106	Monthly.	New York.	1884	8
Sage Valley & Southern Kansas	200,000	10	Jan. & July.	New York.	1888		Consol Mortgage for \$10,000,000 Consolidated 2d Mortgage	5,000,000	7	Feb. & Aug. April & Oct.	Philadelphia.	1913	7
1st Mortgage (5-20 years) shkosh & Miss. (C., M. & S. P.):		12	- Louis	Printer than 170	C. ALT	1	Pittsburg, Ft. Wayne & Chicago			corne disential	* ban mollacide	CO.L. R	1
1st Mortgage	240,000	8	Jan. & July.	New York.	1891		1st Mortgage (Series A) 1st Mortgage (Series B)	875,000 875,000	7	Jan. & July. Feb. & Aug.	New York.	1912 1912	11
1st Mortgage			May & Nov.		1916		1st Mortgage (Series C)	875,000	7	March & Sent	4	1912	
Income Mortgage	112,100	6	Feb. & Aug.	tion to bolk ut	1891		1st Mortgage (Series D)	875,000	7	April & Oct. May & Nov. June & Dec. Jan. & July. Feb. & Aug.	4 4	1912	
Oswego and Syracuse(D.L.& W.) 1st Mortgage, guaranteed	201,000	0 7	May & Nov.	New York.	1885		1st Mortgage (Series E) 1st Mortgage (Series F)	875,000	7	June & Dec.	Most suffere	1912	
Juawa, Oswego & Fox River:		1 -	Ton to Tule	NV & Dest	1900	106	2d Mortgage (Series G)	880,000	7	Jan. & July.	or #M stor# , w	1912	11
1st Mortgage guar. by C., B.& Q. Owensboro' and Russellville.	1,079,000	8 0	Jan. & July.	N.I. & Bost	1300	200	2d Mortgage (Series H) 2d Mortgage (Series I)	860,000	1	LMARTON & MONL	1 10 10	1912	**
1st Mortgage for \$1,500,000	1,500,00	0 8	Feb. & Aug	New York.	1892		2d Mortgage (Series I) 2d Mortgage (Series K)	. 800,000	1 7	April & Oct. May & Nov. June & Dec.	A. O. I Sho	1912 1912	
Pacific of Missouri: 1st Mortgage gold	7,000,000	0 6	Feb. & Aug	New York	1888	1021	2d Mortgage (Series L)	860,000	7	June & Dec.	4 4	1912	1:
2d Mortgage sinking fund	2,650,00	0 7	Jan. & July	4 4	1891	90	8d Mortgage	2,000,000	7	April & Oct.	a, Jackson Kill	1912.	10
3d Mortgage St. Louis County Debt	4,000,00		May & Nov Monthly.	St. Louis.	1885	***	Equipment bonds	1,000,00	8	March & Sept.	New York	1887	
Real Estate Bonds	. 800,00	n 8	May & Nov	New York.	1892		Pittsburg, Va. and Charleston:	14.00		de Norther	CO sneue R at	on End	1
1st Mort. (Carondelet Branch). Paducah and Memphis:	. 500,00	0 6	* April & Oct	and of the	1893		lst Mortgage Pittsburg, Wash'gton & Baltimore	700,00	7	April & Oct	New York.	1902	1.
lst Mortgage gold for \$2,805,000	1,541,00	0 7	Feb. & Aug	New York.	1902		18t Mort, (Pittab. &Conn'isville	3) 4,000,00	0 7	Jan. & July	Baltimore.	1898	1
Panama:	W. C. W.		April & Oct	1-19 July 11	1897		2d Mort. do. (Balt. Loan) 1st Mort. (Turtle Cr. Div.10) m	5,000,00	0 6		Pittsburg.	1902	
General Mortgage, stg £597,800 Paris and Decatur:	Ale	1	and water	to be the bear to	1 247	1	Real Estate Mortgage	100,00	0 6		Baltimore.		
1st Mortgage gold, S. F	. 1,200,00	0 7	Jan. & July	N. Y. & Lond	1. 1892		Plymouth, Kankakee & Pacific :	20 000 pr	7	Jan. & July	New York.	1901	1
Paterson and Newark (Erie): 1st Mortgage guaranteed	500,00	0 7	Jan. & July	New York.	1878		lst Mortgage for \$3,600,000 Port Huron and Lake Michigan	20,000 pt	07	O Stranger	Water Week T	(cons)	1
regin, Linc. & Decatur(TW&W):	1		Magicalla Li	Litte.	60	Port Huron and Lake Michigan 1st Mortgage gold, for \$1,800,00 Portland & Ogdensb. (Me. & N.H. 1st Mort. (Maine Section) gold.	0 1,800,00	0 7	* May & Nov	New York.	1899	
lst Mortgage, guaranteed Pemberton & Hights.(UC of NJ)	1,076,00	00 7	Feb. & Aug	New York.	1900	00	1st Mort. (Maine Section) gold.	800,00	0 6	Jan. & July	Boston.	1900	1.
18t Mortgage guaranteed	160,00	0 7	Jan. & July	Philadelphia	. 1889	105	Compor wrote Sord' for \$9'900'or	0 149,00		May & Nov	100 f 11 00 01	1901	1
Peninsular (Mich.) Railway:		10 2	May & No	N V or Lon	1800		Portland and Ogdensburg (Vt.):	1,200.00	0 6	May & Nov	N.V. & Rost	1891	1
1st Mortgage gold (S.F.)1st serie 1st Mortgage gold (S.F.)2d serie	2,000,00	00 1	4 11 15	44	1900		1st Mortgage gold, for \$2,300,00 Portland and Oxford Central:	TA DE LA	100	At himming	A CONTRACTOR OF THE PARTY OF TH	int and	
Mor t gage	540,00	0 7	Feb. and Aug	New York	1881		1st Mortgage of 1863 Portland and Rochester:	250,00	0 0	Jon. & July	. Portland.	1883	
Pennsylvama: 1st Mort. (Harrisb'g to Pittsb's	4,970,00	00 6		Philadelphia	1880	105	18t Mort (Portland Loan)ake f	d 700,00	0 8		Boston,	1887	E.
General Mortgage	19,999,76	1 4	J. A. J. &	. Philadelphia	1910	1051	lst Mortgage (equal lien) 2d Mort. (Portland Loan)	100,00		April & Oct	W. C. D. T. S.	1887	
General Mortgage, registered. Consolidated Mortgage	11	1 4	Jan. & July	London.	1910	924	Port Royal (S. C.):	396,50	6 6	Mar. & Sept	LEEK LAND	1691	
State lien for \$7,500,000, skg f			April & Oc	. Philadelphia		0	Port Royal (S. C.): 1st Mortgage gold, skg fd 1st Mort. gold, guar. by Ga.R. Portsmouth, Gt. Falls & Conwa	2,000,00	0 7	May & Nov	N.Y. & Lond		
Pennsylvania Coal:	487,50	10	Feb. and Au	New York	1881	1	Portsmouth Gt. Fells & Conwe	R 500,00	0 7	0.000	1 36 HOLE WINE	1889	130
1st Mortgage Pennsylvania and Delaware:	1			11	AA JIDLA	1	1st Mort., guar. by Eastern R. Pougkeepsie and Eastern :	514,00	0 7	June and Dec	Boston.	1893	1
1st Mortgage	1,083,00		7 Feb. & Au		1903		Pougkeepsie and Eastern: 1st Mort. gold, conv. & tax free	644.50	0 7	Jan. & July	Now Vosle	1910	1
Pennsylvania & New York(L.V.	519,00	70	April & Oc	of the transfer of	1800	1	2d Mortgage	78,00		a	New York.	14.0	
1st Mortgage guaranteed	1,500,00		June & De	Philadelphia	1896	108	Frovidence and worcester:	500,00	0 6	10 (B&O)	methold du Nerve	ody, bea	1
1st Mortgage guaranteed Peoria & Bureau Val(C.R.I.& P	1,500,00		7 "		1906		1st Mortgage Stoughton Branch bonds	1,000,00		Jan. & July	Providence.	1880	
1st Mortgage guaranteed Peoria & Hannibal (C. B. & Q.):	600,00	00	Jan. & July	New York	1877		Quincy, Alton and St. Louis:	of T Iblier	00.6	Year & N	tenent, manual	10 M 30	i.
Peoria & Hannibal (C. B. & Q.): 1st Mortgage, traffic guarantee	277,0	00	8 Jan. & July	Boston.	1878	1014	1st Mortgage gold	A 65 7 16	0 4	May & Nov	Philadelphia	1882	
Peoria, Pekin and Jacksonville:			M		pt M. 781		lst Mort, assumed by H. &St.J Quincy and Toledo (T., W.& W.	0. 500,00	8 0	Feb. & Aug	New York.	1892	
1st Mortgage	1,000.00		7 Jan. & July 7 April & Oc	New York	1894	****	Quincy and Toledo (T., W.& W.	500,00	0 7	May & Nov	New York	1890	E .
2d Mort. conv., and tax free Peoria and Rock Island:				John Strike	80000		1st Mortgage, guaranteed Quincy & Warsaw (C. B. & Q.)		OLL	I to Ville of	Interest bond	bybung's	6
1st Mort. gold, conv. & tax free	1,500,0	00 1	7* Feb. & Au 0 Jan. & Jul	g. N.Y. & Lon	d. 1900		1st Mortgage, guaranteed Reading and Columbia (P.& R).	725,00	8 00	Jan. & July	Boston.	1890	1
Perkiomen (Phila. and Rdg):	1	1	o sam ac sur	A D	1000		1st Mort., Coupon, guaranteed	650,00	0 7	March & Sepi	New York.	1882	2
1st Mortgage, guaranteed	619,0	00	6 April & Oc	t. Philadelphia	1897	70	1st Mort., Coupon, guaranteed 2d Mort., Coupon, guaranteed Rensselaer and Saratoga:	350,00	0 7	June & Dec	Columbia.	1884	
Petersburg: 1st Mortgage (instalments)	341,5	00	8 Jan. & Jul	v. New York	79-19	8 84	2d Mortgage	300,00			Troy.	1880	1
2d Mortgage			8		1902		tiensseizer and Saratoga: 2d. Mortgage	150,00	0 7	MIGMARS)	LA THOUGHT AND	1987	
Philadelphia and Atl. City:	350,0	00	7 Jan. & Jul	Philadelphia	1907	1	lat Mort. (Troy, Salem & Rut	500,00				1880	
Mortgage for \$500,000 Philadelphia and Baltimore Cen	t		Tailo	ne de Indian de	mell sys	1	lat Mortgage (Gienn's Falls).	125,00	0 7	Jan. & July		1894	щ,
1st Mortgage (Penn. Div. 364 m 1st Mortgage (Md. Div. 94 m.). 2d Mortgage (Pa. & Md. 46 m.) Philadelphia and Eric (Penn.):	800,0	00	7 Jan. & Jul	y. Philadelphia	1879		New Gen's Mart for \$6,000,000	1,768,50		Mayand Nov	A MI YEAR	1921	4
2d Mortgage (Pa. & Md. 46 m.)	300,0 400,0	00	7 4 4	44	1900		Richmond and Danville.			The latest	nerta housenous	Dist.	
Philadelphia and Erie (Penn.):	1,000,0	00	Ann and Oa	Dhiladalphi	1877	1001	Virginia State Loan, skg fund	157,80	0 6	Jan. & July	Richmond.	1880	1
		00	7 Apr. and Oc	t. Philadelphi	1881	162	Virginia State Loan, skg fund Virginia State guar. bonds 1st Mort. (Peldmont Branch).	500,00	0 8		transpiras in	1888	
1st Mortgage. 2d Mortgage. General Mort, for \$20,000,000.	5,000,0 3,000,0	00	7 Jan. & Jul	y. 4	1888	95	1st Mort. (Northwestern, N.).) 000,00	0 6	7 April. & Oc	N. Y. or Biel	10000	8
Philadelphia and Reading:	7,652,0	00	6* "	Phil. or Lon	d. 1920		Rick., Frederickburg & Potoma	T. 100,00		May and Nov	New York.	75-16	20
Loan of 1868, debenture	1,138,4	00	6 Jan. & Jul	y. Philadelphi	a. 1893	33	Sterling Loan	67,7		Jan. & July	London.	1875	ч,
Mort Loans of 1843-44-48 & 4	9. 1,510,5 2,700,0	00	7 Apr and Oc	4 4	1880	103	Dollar Loan Dollar Loan, Coupon	450,00	8 7	44	Richmon L	1875	
Mortgage Loan of 1868 Mortgage Loan of 1836 stg	182,4	00	7 Apr. and Oct.	y. London.	1880		Dollar Loan			various.	alecola epop	1676	
Mortgage Loan of 1843 stg	967,2 134,4	00	6* a . a	W acta Walle	1880		Dishmond and Datomburner	The second		Apr. and Oct	Richmond	180-18	- 1
Mortgage Loan of 1836 stg (Dollar coupon.			7 June & De	c. Philadelphi		98	New mortgage of 1875	31,0		May & Nov	. (a) Hyman	1916	
Consolidated Dollar register	ed 3,858,0	00	7 4 4	M. Iss V. H. 1911	1911	93	1st Mortgage (Coupon)	0.000	300		BBB terrere	r Mges	14
June 1, 1871. Gold or stg cou	p. 7,000,0	000	8* u u	Phil. or Lon	d. 1911 1911		Rome, Watertown & Ogdensh.	9,000,0	10	Feb. & Au	N.Y. & Lone	1. 1918	50
Dollar coupon	805.0	00	6 · · · · · · · · · · · ·	Philadelphi	a. 1911		1st Mortgage, (W.&R.)Skg Fur	nd 799,9		March & Sep	t. New York	1880	
New deben, loan, conv	0 588 0	100	7 Jan. & Jul	V	1893	45	20 Moregage	1,056,5	00	Jan. & July June & Do		1902	
New deben, loan, conv New Improvement Mort. Loa Gen'l Mort. stg. S.F. (\$60,000,00 Mort. (Coal and Iron Co.) gun	n. 9,588,0 0) 9,900,0	00	6* Apr. and Oc 6* Jan. & Jul	y. " or Lon	1908		Consol Mort conv. till 1879.	8.000.0		Apr. and Oc	nanagranik isin	1904	1
Mort. (Coal and Iron Co.) gua	r. 18,192,5	00	7 Various.	A of shull 3 the	1892			500,0	U 10	Me. Janaharan		1880	
1st mortgage	1.155.0	00	7 Feb. & Au	g. Philadelphi	a. 1896	51	Equipment Mortgage, tax free	500,0		May and Not March & Sep	Partition, Table 1	1880	
Funding income	300,0	m		# AB) 4	1896	1	Coneral Most	1 1 500 0		May and No	I do a wante	1902	8

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

Description of Bends.	Amount.	Rate	When.	Where	Due.	Price	Description of Bonds.	Amount.	R	When.	Where.	Due.	Price
leginaw Valley and St. Louis:		20	Land Charles	res _u não. Leurs	1000	1 68	South Carolina:		-			100 100	
aint Croix and Penobscot:	346,000	8	May & Nov.	Saginaw.	1892	****	lst Mortgage Sterling	1,482,667	7	Jan. & July.	New York.	182-188 178-188	***
2d Mort. (Cal. & Baring)	95,200 17,500		Jan. & July.	Calais, Me.	1879		2d Mort. for \$3,000,000 Domestic (G) Bonds	1,206,500 2,500	6	April & Oct. Jan. & July.	Charleston.	1902 1874	***
Calais Loan (Lewey's Island)	115,000	6	June & Dec.		1876		Domestic (I) Bonds	1,054,500	7	April & Oct.		1891	
t. Joseph & Denver City : 1st Mort. (E. D.) gold tax free	1,500,000	24	Feb. & Ang.	N. Y. & Lond.	1899		Bouth Georgia and Florida:	63,500	6	Jan & July.	resolved fister	'80-'92	***
lat M.(W.D)land grant, g'd tax fr			4,1000 (.60)	B 4 18 18 14	1900		lst Mort. assumed by Atl. & Gulf	464,000		May & Nov.	New York.	1888	
Joseph and St. Louis:	1,000,000	6	May & Nov.	New York	1893		South Mountain Iron(Cumb.Val)	200,000	3			1889	
Louis, Alton and Terre Haute:			5.3 Figure 16(3) 164	DELLA LA LA	149727	1:	1st Mortgage guaranteed	200,000		June & Doc.	Philadelphia.	1888	
lat Mortgage skg f'd. (Series A) lat Mortgage skg f'd. (Series B)	1,100,000		Jan. & July. April & Oct.	New York.	1894 1894	110	2d Mortgage for \$200,000 South and North Alabama.	177,500		March & Sept.	ty and the	1884	
2d Mortgage preferred (Series C)	1,400,000	7	Feb. & Aug.	44 44	1894 1894	88 -	1st Mort, endor. by Ala., gold	391,000	8*	Jan. & July.	New York.	1890	
2d Mortgage preferred (Series D) 2d Mortgage Income (Series E)	1,400,000		May & Nov.	44 . 44	1884	68	1st Mort., endor. by Ala., gold Sterling Mort., guar. by L. & N. South Pacific (Atl. and Pac.)	£1,038,000	0	May & Nov.	London.	****	1.
Equipment Mortgage	800,000	10	March & Sept.	u u	1894		1st Mortgage gold, assumed South Shore (Mass.):	7,188,500	6.	Jan. & July.	New York.	1888	1
t. Louis, Iron Mt. and Southern: 1st Mort. (St. Louis & Iron Mt.)	4,000,000	7	Feb. & Aug.	New York.	1892	1031	1st Mortgage, sinking fund	150,000	6	April & Oct.	Boston.	180-181	1
2d Mort. (")	6,000,000	7*	May & Nov.	4 4	1897 1897	70	1st Mortgage, sinking fund South Side, Va. (A., M. and O.):	675,000	8	Ton & Ynly	Now Vonh	'84-'90	
lst Mort. L.G. (Arkansas Brb) lst Mort. (Cairo, Ark. & Tex.)	2,500,000 1,500 000	74	June & Dec.	46 46	1897	****	lst preferred bonds	621,000	6	Jan. & July.	New York.	184-190	0
Consolidated Mortgage	1,500,000			46 . 46	1899		3d preferred bonds	452,800	6	4 4	44 45	'84-'90	0
t. Louis, Jacksonville & Chicago:	2,929,000	7	April & Oct.	New York.	1894		1st Mortgage, skg fund conv	1,500,000	7	Feb. & Aug.	New York.	1899	.,
2d Mortgage	548,000	7	Jan. & July.	44 44	1898		2d Mortgage Southern Iowa and Cedar Rapids	600,000	70	March & Sept.	- 66	1882	1
t. Louis, Kansas City & Northn: 1st Mortgage (North Misseuri)	6,000,000	7	Jan. & July.	New York.	1895	1017	lst Mortgage gold		7	May & Nov.	New York.	1900	1.
Real estate & 2d M. for \$3,000,000	993,000		March & Sept.		1899		lst Mortgage gold Southern of L. L.:	1	100			and I	
t. Louis, Lawrence and Denver:	1,020,000	6	Jan. & July.	New York.	1901		1st Mortgage. 2d Mort, Sink. Fund Southern Minnesota:	1,500,000	7	March & Sept. May & Nov.	New York.	1887	1.
1st Mort. guar. by Atl. and Pac. t. Leuis and South Eastern:	A CONTRACT	100	PURSUE SELECTION OF	CONTRACTOR	1 101	1	Southern Minnesota:	0.040.00	1	1.10	W W		
1st Mort. gold skg fund conv 1st M.(Evans.D.)gold skg f'd,con	2,207,000 1,000,000		May & Nov.	New York.	1894 1896	****	1st Mortgage land grant tax free	3,340,000 1,252,000			New York.	'78-'8! 1890	8 .
1st Mort. (Evans., Hen. & Nash.)	1,000,000	7	Jan. & July.	44 44	1897		2d Mortgage, land grant	14 000 00	1		No. W. L		
lat Mort. (Evans., Hen. & Nash.) Consol. Mort. Skg. Fund L. Louis, Van. & T. H. (T.H. & I.)	2,000,000	17	Feb. & Aug.	The same of the same	1902	****	lst Mortgage gold for \$28,000,000 Southern Pennsylvania:	. 11,000,000	, 0	April & Oct.	New York.		1
let Mortgage, guaranteed	1,899,000		Jan. & July.	New York.	1897		lst Mortgage gold	625,000		March & Sept.	Philadelphia.	1900	1
2d Mortgage, (A.) guaranteed 2d Mortgage (B.) convertible	1,000,000	7	May & Nov.	84 84	1898 1899	****	2d Mortgage gold South Western (Cen. of Ga):	88,000	1 4.			1880	
Income Mortgage	1,000,000		March 1.	Pittsburg.	1901		Plain Bonds, various conv	. 391,000		various.	Macon.	'72-'8	
L Paul and lowa Southwestern	4,500,000	70	May & Nov.		. 1903	1	1st Mortgage (Muscogee) conv. Spartanburg and Union:	800,000	1	-		7727-70	9
1st Mortgage. St. Paul and Pacific 1st Division:	1,000	1	La Property of		1		1st Mortgage, end. by S. Car	350,000		Jan. & July.	Charleston.	1879	1
1st Mort. (St.P.to St.Anth.)10m. 1st M. (St. Paul to Watab) 80m.	120,000 366,000		Jan. & July.	New York.	1892 1892	****	lst Mortgage not endorsed Springfield, Athol & Northeastern	198,37	7	" "	. "	1879	1
ad Most (do) & lat.land or	1.145,750	7	June & Dec.	4 4	1892		lst Mortgage	416,00	0 7	Jan. & July.	Boston.	183-19	n.
1st M. (Main L.) R.B. & Lands.	3,000,000		May & Nov.	London.	****		Springfield & Illinois S. Eastern: ist Mortgage gold, tax free		7	Feb. & Aug.	New York.	1899	
2d M. (do.) R. R. & Lands. General Mortgage for \$15,000,000	********	1 194		4		****	2d Mortgage gold, tax free	446,00		* April & Oct.	4	1900	1
3t. Paul, Stillwater & Taylor's F.	450,000		Jan. & July	New York.	1901	1	Springfield and Northwestern : lst Mortgage gold, skg fund		1-	Feb. & Aug.	New York.	1901	
1st Mortgage	200,000	8	TRUE CONT	1. 2	1	****	Staten island:		1.	-	AND LINES		1
1at Mortgage guar	100,000	6	Jan. & July.	Philadelphia	1878		1st Mortgage Stanstead, Shefford and Chambly	200,00	0 7	Jan. & July.	New York.	1886	
Salem and Lowell (B. & L.): 1st Mortgage	226,900	6	Feb. & Aug.	Boston.	1878	95	1st Mort., Guar. by Cent. Vern		0 7	Jan. & July.	Boston.	1887	1
and, Mansfield & Newark (B&O.		1		New York.	1900	1	Sullivan (Central Verm.):	1	1.	Jan. & July.	Postan	1075	1
Baratoga & Whitehall (R. & S.):	2,801,000	1	A	I downthing	1000	91	1st Mortgage	. 500,00		Feb. & Aug.	Boston.	1875 1881	1:
lst Mortgage, guaranteed Bavannah, Albany& Gulf (A&G)	400,000	7	March & Sept	New York.	1886		Sullivan and Erie: 1st Mortgage, skg fund		1	May & Nov.	New York.	1000	1
Sectional Mort	810,000	7	Jan. & July	New York.	Var		Summit Branch:	1.		may & Nov.	New York.	1886	1.
Bavannah and Charleston:	177 18 330	1	DAMES N	of from the same	The second	1	1st Mortgage Sunbury and Lewiston:	- 800,00	0 7	Jan. & July	N.Y.,Bost.Ph	. 1904	1
1st Mortgage (Sav.& Char.) State guaranteed (C.& S.)bonds	500,000			Charleston.			1st Mortgage gold	. 1,200,00	0 7	April & Oct	Philadelphia.	1890	1.
Funded Interest bonds, guar	111,800		a a	New York.	1889		Income Mort. gold	200,00			44	1891	
Bavannah, Griffin & North Ala.:	152.00	0 7	Jan. & July	. Macon.	1891		Suspens, Bridge & Erie Junc. (E. 1st Mortgage	1 000 00	0 7		New York.		1
1st Mortgage for \$500,000 guar Savannah and Memphis:	14 17 12		The state of the s	A CONTRACTOR OF THE PARTY OF TH	100	1	Syracuse, Bing, & N.Y. (DL&W	J. 1	1		The state of the s		1
1st Mort., gold, endor. by State Schenectady & Susq.(D.& H.Can.)	"I To'nnobu	8	May and Nov	. New York.	1890		2d Mortgage	270.00	0 7	June & Dec	New York.	1879	
1st Mortgage gold, tax free Behooleraft & Three R. (LS&MS)	400,00	0 7	Jan. & July	New York.	1900					100		1	
lst Mortgage	100,00	0 8	Jan. & July	New York	1887		lat Mort. gold, for \$500,000 Tebo and Neosho (M. K. & T.): 1st Mortgage gold, skg fund Terre Haute & Indianapolis:	500,00	0	Feb. and Aug	New York.	1891	
Beaboard and Ecanoke:	W. T.		Maria de la compansa del compansa de la compansa del compansa de la compansa del la compansa de		1	1	1st Mortgage gold, skg fund	1,168,00	0 7	June & Dec	New York.	1903	
1st Mortgage Selma and Gulf:	210,00	9 7	Jan. & July	New York	1880	****	Ist Mortgage	800,00	0 3	April & Oct	New York.	1879	
1st Mort. (guar. by Ala.)	1,888,00	0 8	April & Oct	New York.	1890		Ist Mortgage	516,00			4	1894	
Belma, Marion and Memphis: 1st Mort. guar. by Ala	. 16,000pr	n 5	March & Sept	New York.	1889		Texas and Pacific:	40.000m	m 6	June & Dec	N.Y. or Lond	1912	
Selma Rome and Dalton:				10.00	Circle St.	7	Toledo, Can. Southern & Detroi	t:			A London		
1st Mortgage, tax free	4,000,00	0	Jan. & July	New York	1887 1891	1		1,350,00	00	7 Jan. and July		. 1906	
Equipment Mortgage	230,00	0 10	0 " "	4 4	1881		lst Mortgage (Kastern Div.)	1,600,00		June & Dec		1894	
Bhamokin Valley & Pettsy. (N.C.	XI	100	Jan. & July	y. Philadelphi	a. 1901	97	1st Mortgage (Western Div.) 2d Mort.conv.(")			7 Feb. and Aug 7 April & Oct		1896 1886	
1st Mortgage, on road and land Sheboygan and Fond du Lac: 1st Mortgage	alacolo.		Maria de la constanta de la co		4 2		Kaninment Most sinking fund	04.04	00	8 Jan. & July	. 86 66	1879	
1st Mortgage	729,00		7 June & De 8 April & Oc		. 1884 1896	100	Let Mortgage (Burl. Branch)	1,500,0 250,0	00	7 May & Nov	66 66	1910 1901	
Bhenango and Allegheny:	300,00			1 Con 1 1 100	7010	1	Consol. Mort. for \$6,200,000 1st Mortgage (Burl. Branch). Toledo, Wabash and Western: 1st Mort. (Toledo and Illino) 1st Mort. (L.Erie, Wab. & St.I.	200,0					
1st Mortgage extension	795,00	00	7 April & Oc	L New York	1880		1st Mort. (Toledo and Illinoi	900,0		7 Feb. and Aug	New York.	1890 1890	
INC MOTORANOS SOCIOS SO	101		7 April & Oc	t. New York	1891		. lst Mort. (Gt. West. Rwy of '5	4) 2,500,0 9) 2,500,0		7 4 4		1898	3
2d Mortgage	200,00		7 Jan. & Jul	y. " "	1902		let Most (Ossimon and Waled	0) 500,0	00	7 May & Nov	74 66 66	1890	. (
Shore Line (N. Y., N. H. & Hart. lst Mortgage construction	200.00	00	7 March & Sep	t. Boston.	1880		11 1st Mort. Decatr. & East St. I	4) 2.700.0	00	7 Feb. and Au		1889	9 .
Bloux City and St. Paul:	415.10	1		The same of the	11 74		2d Mort. (Toledo and Wabas 2d Mort. (Wabash & Wester	h) 1,000,0	00	7 May and No	7. 44 44	1878	8
Land Grant Mortgage gold		00	8 May and No	v. New York	1901		2d Mort. (Wabash & Wester	n) 1,500,0 9) 2,500,0		7 4 4	EE 16	1878	3
2d Mortgage		00	8				Panisment (Tolode & Weber	h) 600,0	00	7 4 4		1888	3
Wandament honds	166,00	00 1	0				Consol. S. F. 1st Mortgage Consol. 2d mort. gold Traverse City (Gr. Rap. and Ind	2,610,0	00	7 F. M. A. & I 7* Feb. and Au	T. 11 11	1907	
1 1-uz City and Pacific:	The second second												

The Letter (a) affixed to Rate of Interest Signifies "Payable in Gold."

Description of Bonds.	Amount.	ate	Interest		Due.	Price.	Description of Bonds.	Amount.	Rate.	Interest 1		ane.	-
		R	When.	Where.	A	P			2	When.	Where.	A	r
y & Bennington (T. & B.):	8			m	1000		Western Maryland:				D-141	1000	1
t Mortgage skg fund, guar y and Boston.	89,700	7	Jan & July.	Troy.	1878		1st Mortgage, unendorsed	200,000		Jan. and July.	Baltimere.	1890 1890	1
t Mortgage	300,000	7	Jan. & July.	New York.	1887		2d Mort. " "	300,000	8	44 44	4 1	1890	11
Mortgage	300,000		April & Oct.	16 66	1885	****	2d Mort. endor. by Wash. Co	300,000		4 11			1
l Mortgage onvertible Bonds	650,000 648,000	7	May and Nov.	81 61	1875 1882		2d Mortgage preferred	600,000 875,000		16 66 E	4	1895 1900	1
y, Salem & Rutland(R.& Sar.):	040,000				2002		4th Mortgage	1,000,000		64 65		1900	
t Mortgage, guaranteed y Union (and Depot):	500,000	7	May and Nov.	New York.	1890		4th Mortgage	CCLLC				1000	I.
y Union (and Depot):	690,000		Ton & Toler	Now Vork	1878		1st Mort, assumed	2,785,000	66	Jan. and July.	New York.	1899	1
t Mortgage, guaranteed ekerton:	680,000		Jan. & July.	New York.	1010		Western Pennsylvania (Penn.): 1st Mortgage	800,000	6	Apr. and Oct.	Philadelphia.	1893	t
at Mortgage	408,000	7	April & Oct.	Philadelphia.	1901		INC MOLINARG (LITTRON' DURBOR).	1,000,000		Jan. and July.	4	1896	
on Pacific .		1	1		100 100	100	General Mortgage Western Union (Chi., M. & St. P.):	1,200,000	7		u		1
t Mortgage gold, tax free	27,282,000	0G	Jan. & July.	N. Y. & Bost.	198-199	1031	Western Union (Chi., M. & St. P.):	9 500 000	-	Ton and Tules	Now Vonh	1896	1
t Mort. Land Grant	27,236,512	6	Jan. & July.	II.S. Treasury.	296-299	root	1st Mortgage for \$5,000,000 West Jersey:	3,500,000	7	Jan. and July.	New York.	1000	1
Mortgage Sinking Fund	14,188,000	8	March & Sept.	New York.	1894	98	Debenture bonds guar, by C.&A.	400,000	6	March & Sept.	Camden.	1883	1
maha Bridge Bonds Sterling	2,279,000	86	Apr. and Oct.	London.	1896		1st Mortgage	1,000,000	6	Jan. and July.	44	1896	J
on Pacific (Central Div.):	1 000 000	a.	Wan and Wan	Mom Wank	1895		1st mortgage (Salem) guar	100,000		T 4 1300	Philadelphia.	1878	ı
t Mortgage gold, tax free Mortgage (Gov. subsidy)			May and Nov. Jan. & July.				lst Mort. (Swedesboro') guar 2d Mort. (Cape May & Millville)	200.000 500,000	6 7	June & Dec. Apr. and Oct.	Camden.		ı
on Pacific, S. Br. (M.K.& T.):						1	Consolidated Mortgage	1,000,000		and out	44	1899	1
t Mortgage gold, skg fund	3,220,000	66	Jan. & July.	New York.	1899		West Wisconsin:		10				j
on & Titusville (P., T. & Buff.)	F00 000			37 37 . 1	1000	-	1st Mort. land gr., gold skg fund 1st Mort. (Sonthern Extension)	3,900,000	70	Jan. and July.	N.Y. or Lond.	1887	i
t Mortgageted N. J. R. R. & Canal Cos.	\$00,000	1	Jan. & July.	New York.	1890	50	White Water Valley:	640,000	70			1902	
oan of 1901 (United Compan's)	3,000,000	6	March & Sept.	Philadelphia.	1901	1034	1st Mortgage	1,021,840	8	Feb. and Aug.	Cincinnati.	1890	
erling Loan £369,200 (U. Co's)	1,846,000	56	3 84 44	London.	1894		Wico Mico and Pocomoke:		10	ron and mag.	O'III O'III III III		
erling Loan £360,000 ("	1,800,000	60	3 44 44	44	1894	****	1st Mortgage	200,000	8	Jan. and July.	New York.	1888	
oan of 1894 Sk. Fund ("	2,000,000			Philadelphia.		08	Williamston and Tarboro':	070.00				1000	
oan of 1888 (United Compa's)			The same and	after demand	1888	96	Vilmington Colum & Augusta	350,00	8	May and Nov.	New York.	1900	
ond to State of N. Jer. (U.Co's) erl'g S.F. £262,000 (C. & Am.)	1,310,000	0 60	Feb. and Aug.	after demand. London.	1880		Wilmington, Colum. & Augusta 1st Mortgage	3,800,00	0 7	June & Dec.	Baltimore.	1900	
oan of 1883(Camden& Amb'y)	1,790,000	0 6	4 11	Philadelphia.	1883	103	wilmington and Reading:	1				D. 11	
oan of 1889(" "	866,000			Princeton.	1889	108	1st Mortgage	1,200,00		Apr. and Oct.	Philadelphia.	1900	
ortg. Loan (" " oan of '78 (N.J. R.R. &T. Co.	5,000,000		May and Nov.	Philadelphia New York.	1879	108	2d Mortgage coupon or regis Wilmington and Weldon:	1,700,00	0 7	Jan. and July.	ALL THE PARTY	1902	
ond to State of N. J. (do.)	100,000		Apr. and Oct	N. Y. (Ove	Due.)		Sterling Bonds	648.70	0 80	Jan. and July.	London.	1881	
h Central:	200,000	1	inproduct out	200 200	1	-	Sterling Bonds	221,40	0 76	May and Nov.	4	1886	
t Mortgage	1,000,00	0 6	Jan. & July.	Salt Lake City	1890		Sterling Bonds Sinking Fund gold, Bonds Wilmington and Western (Del.):	749,00	0 76	Jan. and July.	New York.	1896	
h Southern:	000 00	0 7	You de Tules	Galt Take Olt	1001		Wilmington and Western (Del.):	E00.00			DA. 0. A. TETT.	1892	
t Mortgagea and Black River:	000,00		Jan. & July	Balt Lake Cit	TORT	****	Winona & St. Peter (C. & N. W.)	500,00	7.2	J. A. J. & G.	PEH. & WHM.	1097	
t Mortgage		0 7	Jan. & July	N. Y.& Utica	1878		1st Mortgage \$20,000 p. m	2,750,00	0 7	Jan. and July.	New York.	1887	
onds of 1871 (2d issue)	575,00	0 7	4 4	66 66	1891		1st Mortgage \$20,000 p. m 2d Mortgage \$12,000 p. m	1,650,00	0 7	May and Nov.		1907	
ca, Ithaca and Elmira:	1 500 00	0 -	O T- A Tules	T 3	1000		Extension mortgage bonds	. 4.875.00	0 70	June & Dec.	et	1906	
t Mortgage, Sterling mont Cent.—See Central Vt.	1,000,00	0 1.	3 Jan. & July	London.	1902	****	Wisconsin Central: 1st M. L. G.,gold S. F.\$25,000pm	4 619 50	0 -	Ton and Tale	Poster	1901	
mont and Massachusetts:							Worcester (Md.):	a sotoloo	16	Jan. and July.	Beston.	1001	
t Mortgage sinking fund	550,00	0 6	Jan. and July	Boston.	1883	104	1st Mortgage	. 210,00	0 6	Jan. and July.	Baltimore.	1891	
onvertible bonds, tax free	. 200,00				1879	1014	Worcester and Nashua:					1.004	
convertible bonds	150,00	0 7			1885	1681	Plain Bonds	125,00			Boston.	1881	31
ksburg and Meridian: (1st series (red)	717,50	0 7	Jan. and July	Philadelphia	1890		Plain Bonds			Apr. and Oct.	4	1893	
eneral 2d series (blue)		0 7		4	1890			(200,00		Zpr. and ook		2000	
ortgage 3d series (black)	. 138,00		86 66	46	1890		CANAL BONDS.		1			1 3	
4th series (not end.).					1890		Chesapeake and Delaware:					1.000	
pecial Loan 1871	. 213,00	0 8	Jan and July	1 "	1880		1st Mortgage sinking fund Chesapeake and Ohio:	1,993,70	0 6	Jan. and July.	Philadelphia.	1886	
	. 750,00	0 7	Apr. and Oct	New York.	1890		Sterling Loan guaranteed	. 4,875,00	0 6	J. A. J. & O.	London.	1890	
st Mortgage tax free ginia & Tennessee(A.M.& O.)	:	1				1	Preferred Bonds (next lien)	. 1,099,50		Jan. and July.	Baltimore.	1885	
st Mortgage	491,00		Jan. and July	. N.Y.&Lynch	1873	81	Delaware Division (L.C. & N.):	1	1				
d Mortgage				4 4	1884	801	1st Mortgage, guaranteed Delaware and Hudson:	800,00	0 0	Jan. & July.	Philadelphia	1878	
th Mortgage Legistered Certificates					1990 1875	908	lat Mort / lat series. Nov. 1. '6	7 1,500,00	0 7	May and Nov.	New York.	1877	
unded Interest				14 14	1880		1st Mort. (1st series, Nov. 1, '6 regis- 2d series, July 1, 186	9 3,500,00	0 7	Jan. and July.	4 4	1884	
allkill Valley (Erie):			1.				tered. (3d series, Jan. 1, 187	1 5,000,00	0 7	86 66	86 66	1891	
st Mortgage gold, tax free wren (D. L.& W.):	. 810,50	7	6 Apr. and Oct	New York	1901		Coupon bonds of 1874	3,000,00		Apr. and Oct	4 4	1894	į
st Mortgage, guaranteed	. 511,40	00 7	Poh and And	Now Vork	1075		Registered bonds of 1874 Lehigh Coal and Navigation:	2,000,0	70 7		11. 11	1894	
d Mertgage, guaranteed	750,00			New York	1875 1900	106	Loan of 1877, Debentures	762,7	19 6	June & Dec	Philadelphia.	1877	ĺ
d Mertgage, guaranteed arren & Franklin(F.,T. &B.).:	130,30			1/1			Loan of 1877, Debentures Convertible Debentures	41,5	50 6	8 44 44	44	1882	ì
st Mortgage, assumed arwick Valley (Erie):	. 1,500,00	00 7	Feb. and Aug	. Philadelphia	. 1882	80	Convertible Loan, gold	771.0	00 6	a March & Sept	11	1894	ĺ
st Mortenge	. 60,00	100	Apr. and Oct	New York	1990		lat Mortgage, registered	9,381,9	00 6	J. A. J. & O F. M. A. & N	"	1884 1897	
st Mortgagesatch and Jordan Valley:	30,00	7	Apr. and Oct	TOW TOTAL	1000		lst Mortgage, Feginered 1st Mortgage, (equip.) Loan, gold. Consolidated Mortgage. Greenwood Mortgage Loan. Greenwood Mortgage Loan. Monongalela Navigation:	4.658.54	00 6	June & Dec		1897	
st Mortgagesh'gton City,Va. Mid. &Gt.So st Mort. (O., Alex. & Manassa d Mort. (. 150,00	9	G May and Nov	New York	1893		Consolidated Mortgage	. 1,115,0			66	1911	Į
sh'gton City, Va. Mid. &Gt.So	1 000						Greenwood Mortgage Loan	717,0	00 7	Feb. and Aug		1892	
st Mort. (O., Alex. & Manassa: d Mort. (" "	1,650,00 350,00	00	Jan. and July	. Baltimore.	1882 1891	60	Werenwood Mortgage Loan	140,00	10	Apr. and Oct	. "	1877	1
st Mort. Orange & Alexandria) 600,00	00	May and No		1873	89	1st Mortgage	. 103,0	00 6	Jan. and July	New York.	1887	
d Mort " ") 1,200,00	00	8 Jan. and July	7. 66	1875	73	1st Mortgage	100,0	1	, and odly	TOTAL TOTAL	1001	ĺ
d Mort "	600,00	00	8 May and No	7. 66	1873	60	lst Mortgage Boat Loan, sinking fund Preferred Stock Dividend Scri	500,0		Apr. and Oct	. Philadelphia.	. 1876	
th Mort. " "unded Coupons (do.)	700,00	84	8 March & Sep		1880	33	Boat Loan, sinking fund	236,9	85 7	Apr. and Oct	4	1899	
unded Coupons (do.) st Mort. (Lynchb'g & Danville	722,60		Apr. and Oc	•	1896		Pennsylvania:	p. 103,1	34	Jan. and July	-	1887	ĺ
irginia State Loan	249.9	62	7 Jan. and July	7. 66	192-1	3	1st Mortgage skg fund guar	2,805,0	00 (Jan. and July	. Philadelphia	1910	į
shington and Ohio:				1			Pennsylvania: 1st Mortgage skg fund guar 1st Mortgage (Wy. Val. Can.) Schuylkill Navigation(Ph.& Rd	600,0	00	3 " "	"	1878	1
st Mort. (Alex., Lou. & Ham st Mortgage for \$9,000,000 estchester and Philadelphia:	47,0	00	7 May and No	New York		****	Schuylkill Navigation(Ph.& Rd			Maritan	men see	100 1	
estchester and Philadelphia	200,5	10	7G Apr. and Uc		1901	35	1st Mortgage	. 1.714.3		March & Sept	Philadelphia	. '82-'9	
eneral Mortgage, tax free	1,100.0	00	7 Apr. and Oc	t. Philademba	1891	110	2d Mortgage	3,990,3	92 6	Jan. and July May and Nov	**	1580	
deneral Mortgage, tax free estern North Carolina:	2,200,0	-	. Lagri and Oc	- maderpan	TOAT	1.20	Boat and Car Loan	756,6			u	1913	
st Mortgageestern of Alabama.	850,0	00	8 Jan. and July	7	. 1890		Boat and Car Loan	621,6	00 7	7 46 41	44	1915	6
estern of Alabama.							Coupon Bonds Susquehanna and Tide Water:	1,200,0	00	Jan. and July	. "	1895	į
ist Mortgage (Western R.R.).	250.0		8 Apr. and Oc	t. New York			Susquehanna and Tide Water:	1,000.0	00	Jan and T.	Phile & D	100	į
2d Mortgage (consols guar.)	1,158,0		8 4 4	at	1881			1,000,0 d) 1,811,0	00	Jan. and July	Phila. & Bal	188E	
ncome Mortgage	802,9	00	8 Various.	66 86	Var.		Pref. Int. B'ds ("	324,8	10		4 4	1894	
2d Mortgage (consols guar.) neome Mortgage estern Union Telegraph:				1 1 1 1 1 1			Union:			10	1	450	
1st Mortgage	. 9,2	90		v. New York			1st Mortgage	8,000,6	00,	May and Not	. Philadelphia	. 1883	ł
Bonds (S. F.) Conv. till May ' Rerling Bonds, Sinking Fund	1. 1,498,0 85 3,988,0	X	7 4 4		1902		West Branch & Susque. (Penn.) 1st Mortgage		00	Jan. and July	Dhille delate	14000	j
						# # # # P * * *	II IN MOTIVAL PROPERTY	400.0	ururi f	n winds, while of this			

Market.

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997,361

9,229,341 16,226,474 4,418,078

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4,87b 158,754 558 791,100

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63,001 572,690 41,305

88,642 209,834

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427,326

438,816 122,330

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RAILROAD SHARE LIST, including Mileage, Rolling Stock, Debts, Income, Dividends, &c., &c.

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AAILROAD SHARE LIST, incruding Mileage, Rolling Stock, Debts, Income, Dividends, &c., &c.

*** A dash (-) across the column headed "Rolling Stock" signifies that the cost thereof is included, in that headed "Railroads are distinguished by a "r."

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Philadelphia Stock Exchange. Closing Prices for the week ending July 17. Allegheny Val. 7 3-10s. 105;
Ts, Income. 105;
Camden & Am. 5s, 1885. 6s, 1889. Camden and Atlantic Preferred 1st mortgage 2d mortgage. Catawissa Preferred Ts, new. Del. & Bound Brook 7s. W. 11. Th. 12. F.18. Sat. 14. M.16. Tu. 17. Dividends. Net Earnings. **** **** 593,596 197,770 601,296 41,296 41,296 107,476 107,476 107,476 11,679 278,885 473,922 13,008,482 11,067,669 11,646,086 11,646,086 11,646,086 11,646,086 Gross. **** Tons. 620,648 22,990 1,964,001 **** **** Freight. Del. & Bound Brook
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Pittsb., Titusv. & Buff...
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Schuylkill Navigation
Preferred...
6s, 1892...
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Green and Coates (do.). S Operations. 216,890 874,183 72,638 Lehigh 46,917 gers. 184 184 1014 87 184 65,432 355,081 234,636 844,069 406,639 754,619 159,029 87 K. 1014 34 108 34 M. 64.8 83.0 35 0.06 Railroad Operated. 181 **** 112 1124 25.449 324,478 220,690 207,166 3,287,378 90 Surplus 43 **** 41 Accounts Liabilities. **** 324 317 General Balance Sheet. 318 Bonds. 105‡ 108 108 93 900 633 109 109 Stocks 1,456 1,456 1,900 1,900 1,789 1,789 1,789 1,000 109 109 108 106 111 12 108 106 1111 124 1,615,625 455,048 591,551 257,095 121,277 1114 Abstract of 329,155 43,048 48,598 33,900 101,834 500,000 6,993,904 8,011 93 Assets. Assets. 102 191,712 582,436 * (Includ 35,582 and . Rolling Stock. 77 76 76 Property 61 51 232 6 6 Railroad 90 | Warren Ch. and Wh. | Wave Street. | Street. 130 130 130 ••• •••• Lombard & S'th. (do.)..... 2d and 3d streets (do.). 66 Spruce and Pine (do.)..... 13th and 15th sts (do.). 33 66 66 Companies. Baltimore Stock Exchange. Closing Prices for the week ending July 17. Stock. Freight. Cars. B. M. E. 41 Rolling Pass 0 Engines 224818281846 1899 Railroad in K 623 progress 28 2d Track and Sidings. "ailroad. M. 2.6 - 2.6 - 2.6 - 2.6 - 2.6 - 2.6 - 2.6 - 2.7.5 - 2 Branch Line, 20.0 Main Line. Dec. 31, 1871
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1st mortgage107		1074		1071		N.Y., N. Haven & Hart North Missouri 1st M	1021		149	1494	
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is, convertible	581	604	61		631	2d mortgage 884 Panama	****	98	90	90	
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Land grant 6s	881	****				2d mortgage		••••			
Preferred		85	85	****	****	Quicksilver Mining Co Preferred	****	••••			
1st mortgage111 Sinking Fund	****	****		****	****	St. L., Alton and T. H Preferred	****	****	••••	12	44
Onic., Burl. & Quincy. 99	100	991	106	994	****	1st mortgage 2d mort, preferred	****	****	****	****	
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2d mortgage, 7 8-10s 7s, gold 1st M.(La Crosse div	****	••••	92	****	1004	Preferred 23	224	****	224	****	
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7s, Consolidated110	****	104	****	****	***	Atch., Top. and Sab. Fe	****	Bat.14	M 16.	****	W.18.
7s, new	****	****	****	***	****	1st mortgage 88 2d mortgage 484 Land Grant 7s 781	48	481	484	87 478	47
Col., Chi., & Ind Cent 1st mortgage 26	28	294	30	11	14	Income 12s	78‡	78 1024	102	****	****
2d mortgage Del. & Hudson Canal . 34	35	364	354	36	354	7s, reg	1144	1144	****	1144	****
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Hudson River 2d mort 564	57	584	581	1134	571	Ind., Cin. & Lafayette Kan. C., Top. & West	****	***	1041	1041	104
Kansas Pacific 1st mort Lake Shore & Mich. So. 48	498	501	198	501	497	1 -4 manufacture		****	****	****	****
Consol. 7s, reg	106	****	107	106	****	Nashua and Lowell	****	****	****	****	421
2d Consolidated Lake Shore Div. bonds	934 1084	94	1081	93	****	Northern, N. H 65 Norwich & Worcester	****	66	66	****	****
Leh. & W.B. 7s, Con 24 Long Dock bonds 110	24	1094	25 110			Ogden. & Lake Champ		***	****	****	****
L'ville & Nash. 7s Cons 98; Michigan Central 40;	41	984	41	421	934	78	****		86	87	88
7s, 1902		102	1024	102	102	Portl'd, Saco & Ports			****	614	61
M. S. and N. I 1st, S.F.111 2d mortgage	****	111	****		****				781	781	78
lst mortgage117	66	69		****	67	Union Pacific		****	71	72	****
2d mortgage106	109	100	****	106 100	****	Land Grant 78101		****	1051	105	1011
7s, Convertible	88	88	****	****	****	Vermontand Canada			****	012	****
N.Y. Cent. & Hud. Riv 92;	931	94				Worcester and Nashua		1061	****	106	****
6s, Sinking fund, 1883 6s, Sinking fund, 1887	****		****	****	****	Cambridge (Horse) Metropolitan(")		****		****	****
lst mortgage	118)		****	****	****	Central Mining Co		****	****	****	****
N. York and Earlem Preferred	****	****	****	****	****	Calumet and Hecla Copper Falls	170		170	173	
lst mortgage,	****	118		****	****	Franklin		****	****		
						PT PER AL CONTRACTOR					

New York Stock Exchange. Closing Prices for the week ending July 18. Th.12.F.13.Sat.14 M.16.Tu.17.W.18.

	.F.13.	Bat. 14	M.16.7	Pu.17.	W.18.
FEDERAL STOCES:-					
U. S. 44s, 1891, reg 1081	1081	1081	1081	1094	1081
U. S. 44s, 1891, coup1081	108	****	109	****	108
U. S. 5s, 10-40s, reg112]	1124	112	****	****	****
U. S. 5s, 10-40s, coup	::::	1134	1184		113
U. S. 5s, 1881, reg111	1111	1114	11042		1104
U.S. 5s, 1881, coup1111	1111	1111	1118	1114	1111
U.S. 6s, 1881, reg111	111	111	1111	1111	1114
U.S. 6s, 1881, coup1114	1064	1061	112	1124	****
U. S. 6s, 5-20s, r. n.1865 1061 U. S. 6s, 5-20s, c. n1865 1067	106	1061	1061	107	1061
U. S. 8s, 5-20s, reg. 1867 109]	1001	1091	100		1061
П. S. 6s, 5-20s, с. 1867 1091	109	109	109	108	1081
U. S. 6s, 5-20s, reg. 1868. 112	2008			Tool	-
U. S. 6s, 5-20s, c. 1868		1124	1124	****	****
U. S. 6s, Pac.R.R. issue 1231	123		1241		126
0. 5. 66, 1 40.11.11			120		
London Stoc	K E	xcha	nge.		
314 90 101		-0	losing	Pric	04
Carried State of the State of t		Jui	ne 29.		ly 6.
Do. 2d mort., \$1,000			- 21 - 9		- 21
					_
Do. 3d mort., \$1,000		3	- 4	8 -	- 41
Do. 3d mort., \$1,000 Do. 1st mort, trust. certific	ates .	19	- 4 - 21	19 -	- 21
Do. 3d mort., \$1,000 Do. 1st mort, trust. certific Central Pacific of California	ates .	19 rt 102	- 4 - 21 -104	8 -	- 4/ - 21/ -105
Do. 3d mort., \$1,000 Do. 1st mort, trust, certific Central Pacific of California 1 Detroit & Milwaukee 1st mo	ates .	19 rt 102 de 30	- 4 - 21 -104	19 - 163 - - 30 -	- 4/ - 21/ -105
Do. 3d mort \$1,000 Do. 1st mort, trust, certific Central Pacific of California 1 Detroit & Milwaukee 1st mo Do. 2d	ates st mo rt. bon do.	19 rt.102 ds 30	- 4 - 21 -104 - 40	19 - 163 - - 30 -	- 4/ - 21/ -105 - 40 - 40
Do. 3d mort., \$1,000 Do. 1st mort, trust, certific Central Pacific of California 1 Detroit & Milwaukee 1st mo	ates st mo rt. bon do.	19 rt 102 ds 30 30	- 4 - 21 -104 - 40 - 40	163 - 163 - 30 - 30 -	- 4/ - 21/ -105 - 40 - 40
Do. 3d mort., \$1,000 Do. 1st mort, trust. certific Central Pacific of California I Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100	ates st mo rt. bon do.	19 rt 102 ds 30 30 d. 114 d. 10	- 4 - 21 -104 - 40 - 40 - 6 - 12 - 10	3 - 19 - 163 - 30 - 30 - 61 - 11 - 10	- 4 - 21 -165 - 40 - 40 - 7 - 13 - 11
Do. 3d mort., \$1,000 Do, 1st mort, trust. certific Central Pacific of California J Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares	ates st mo rt. bon do . \$6 p	19 rt 102 de 30 30 d. 114 d. 10	- 4 - 21 -104 - 40 - 40 - 6 - 12 - 10 - 16	3 - 19 - 163 - 30 - 30 - 61 - 11 - 101 - 10 - 10 - 10 - 10 -	- 4 - 21 -105 - 40 - 40 - 7 - 18 - 11 - 18
Do. 3d mort \$1,000 Do. 1st mort, trust, certific Central Pacific of California J Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B	ates st mo rt. bon do . \$0 p \$4 p	19 rt 102 de 80 30 de 11 114 de 10 14 33	- 4 - 21 -104 - 40 - 40 - 12 - 10 - 16 - 35	3 - 19 - 163 - 30 - 30 - 61 - 11 - 10 - 16 - 35	- 4 - 21 -105 - 40 - 40 - 7 - 13 - 11 - 18 - 37
Do. 3d mort., \$1,000 Do. 1st mort, trust. certific Central Pacific of California. 1 Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste	ates st mo rt. bon do s. \$6 p \$4 p	19 rt 102 ds 30 30 d. 114 d. 10	- 4 - 21 -104 - 40 - 6 - 12 - 10 - 16 - 35 - 35	3 - 19 - 163 - 30 - 30 - 61 - 11 - 10 - 16 - 35 - 35 - 35 - 1	- 4 - 21 -105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37
Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California! Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste	ates at mo rt. bon do . \$6 p \$4 p onds.	19 rt 102 de 30 30 5 d. 114 d. 10 14 33 33 71	- 4 - 21 - 104 - 40 - 6 - 12 - 10 - 16 - 35 - 35 - 73	3 - 103 - 30 - 30 - 61 - 11 - 101 - 35 - 35 - 73 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	- 40 - 21 -105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75
Do. 3d mort., \$1,000 Do. 1st mort, trust, certific Central Pacific of California. 1 Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Connol. Mort. Stet Do. with Rec. T's Certs. of	ates st mo rt. bon do s. \$6 p. \$4 p. onds ees Cerrling 6 Cou	19 rt 102 de 30 30 30 14 10 14 33 33 71 68	- 4 - 21 -104 - 40 - 40 - 6 - 12 - 10 - 16 - 35 - 35 - 73 - 70	3 - 103 - 30 - 30 - 61 - 11 - 101 - 16 - 35 - 73 - 70 -	- 4 - 21 -105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72
Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California. I Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste Do. with Rec. T's Certs. of Illinois Central \$100 shares.	ates do t. bon do . \$6 p \$4 p onds es Cer rling 6 Cou	19 rt 102 de 30 30 30 14 10 14 33 33 71 68 50	- 4 - 21 -104 - 40 - 40 - 6 - 12 - 10 - 16 - 35 - 73 - 70 - 52	3 - 103 - 30 - 30 - 61 - 11 - 101 - 16 - 35 - 73 - 70 - 511	- 4 - 21 -105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72 - 524
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Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California. 1 Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste Do. with Rec. T's Certs. of Illinois Central \$100 shares. Lehigh Valley Consol. mort Marietta and Cincinnati Rai	ates st mo rt. bon do \$6 p. \$4 p. onds ces Cer rling 6 Cou	3 19 rt 102 de 30 30 5 d. 114 d. 10 14 33 68 50 50 65 100	- 4 - 21 - 104 - 40 - 40 - 6 - 12 - 106 - 35 - 35 - 73 - 73 - 52 - 87 - 102	8 - 19 - 163 - 30 - 30 - 61 - 11 - 10 - 16 - 35 - 73 - 70 - 511 - 86 - 100 - 1	- 4 - 21 -105 - 40 - 40 - 7 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72 - 524 - 524
Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California! Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste Do. with Rec. T's Certs. of Illinois Central \$100 shares. Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mi	ates st mo rt. bon do. s. \$6 p. \$4 p. onds es Cer rling 6 Cou gage way bond	3 19 rt 102 de 30 30 30 114 d. 10 14 33 68 50 50 100 ls.112	- 4 - 21 - 104 - 40 - 6 - 12 - 10 - 16 - 35 - 35 - 73 - 70 - 52 - 52 - 102 - 101 - 1	8 - 19 - 163 - 30 - 30 - 61 - 110 - 16 - 35 - 35 - 73 - 70 - 511 85 - 100 - 1 '8	- 4 - 21 - 165 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72 - 524 - 102 - 1144
Do. 3d mort\$1,000 Do. 1st mort, trust. certific Central Pacific of California J Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste Do. with Rec. T's Certs. of Illinois Central \$100 shares. Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mi Do. 1st mortgage	ates st mo rt. bon do \$6 p \$4 p onds es Cer ling 6 Cou gage lway bond	30 19 rt 102 de 30 30 30 30 30 30 30 30 30 30 30 30 30	- 4 - 21 - 104 - 40 - 40 - 10 - 16 - 35 - 35 - 73 - 70 - 52 - 102 - 113 - 87	8 - 19 - 163 - 30 - 30 - 61 - 11 - 101 - 16 - 35 - 73 - 70 - 511 85 - 100 - 1 31 - 86 - 100 - 1 31 - 86 - 86 - 86 - 86 - 86 - 86 - 86 - 8	- 4 - 21 - 165 - 40 - 7 - 13 - 11 - 18 - 37 - 75 - 72 - 524 - 87 - 102 - 1144
Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California. 1 Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ste Do. with Rec. T's Certs. of Illinois Central \$100 shares. Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mt Do. 1st mortgage Pennsylvania, \$50 shares	ates st mo rt. bon do \$6 p \$4 p onds es Cer ling 6 Cou gage bon bon	3 19 rt 102 de 30 30 30 30 114 d. 10 14 33 33 35 68 50 1102 85 28	- 4 - 21 - 104 - 40 - 6 - 12 - 106 - 35 - 35 - 35 - 37 - 73 - 73 - 70 - 52 - 87 - 102 - 113 - 113 - 20	8 - 19 - 163 - 30 - 30 - 61 - 11 - 101 - 10 - 35 - 73 - 70 - 511 - 86 - 100 - 1 - 31 - 96 - 291	- 4 - 21 - 105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72 - 524 - 87 - 102 - 1144 - 88 - 204
Do. 3d mort \$1,000 Do. 1st mort, trust, certific Central Pacific of California J Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Stee Do. with Rec. T's Certs. of Illinois Central \$100 shares Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mt Do. 1st mortgage Pennsylvania, \$50 shares Do. 1st mortgage Do. 1st mortgage	ates (st mo rt. bon do \$6 p \$4 p onds. es Cer cling 6 Cou gage. lway bond	30	- 4 - 21 - 104 - 40 - 40 - 12, - 106 - 35 - 35 - 73 - 20 - 102 - 113 - 113 - 113 - 20, - 101	8 - 19 - 163	- 4 - 21 - 105 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 75 - 75 - 75 - 75 - 102 - 1144 - 88 - 204
Do. 3d mort \$1,000 Do. 1st mort, trust. certific Central Pacific of California. 1 Detroit & Milwaukee 1st mo Do. 2d Erie shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Ster Do. with Rec. T's Certs, of Illinois Central \$100 shares. Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mi Do. 1st mortgage. Pennsylvania, \$50 shares Do. 1st mortgage	ates .st mo do .st po do .	30 11 10 10 10 10 10 10 10 10 10 10 10 10	- 4 - 21 - 104 - 40 - 6 - 12 - 106 - 35 - 35 - 35 - 37 - 73 - 73 - 70 - 52 - 87 - 102 - 113 - 113 - 20	8 49 163 - 30 80 85 73 70 51 85 100 1 3 8 8 2 9 1 9 9 104	- 4 - 21 - 105 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 37 - 75 - 72 - 524 - 87 - 102 - 1144 - 88 - 204
Do. 3d mort \$1,000 Do. 1st mort, trust, certific Central Pacific of California J Detroit & Milwaukee 1st mo Do. 2d Eric shares, \$100 Do. Reconstruction Assess Do. do. Do. Preference Shares Do. 7 Convertible Gold B Do. Reconstruction Truste Do. 1st Consol. Mort. Stee Do. with Rec. T's Certs. of Illinois Central \$100 shares Lehigh Valley Consol. mort Marietta and Cincinnati Rai N. Y. Cent. & Hud. Riv. Mt Do. 1st mortgage Pennsylvania, \$50 shares Do. 1st mortgage Do. 1st mortgage	ates se port. bonds se Cerring bonds bonds bonds bonds	3 19 rt 102 de 30 30 5 d. 114 d. 10 14 33 5 68 50 160 112 85 28 99 19 99 18 99 19 99	- 4 - 21 - 104 - 40 - 40 - 12, - 10, - 16, - 35 - 35 - 73 - 50 - 50 - 102 - 113 - 87 - 101 - 11,	8 19 163 30 30 61 11 101 35 35 35 370 511 86 100 1 13 86 129 99 100 99	- 40 - 21 - 40 - 40 - 7 - 13 - 11 - 18 - 37 - 75 - 72 - 524 - 87 - 102 - 1144 - 88 - 201 - 101

American Railroad Journal.

Saturday, July 21, 1877.

Financial and Commercial Affairs.

The important financial event of the week was the success of the popular subscription to the new four per cent funding loan of the Government, the aggregate subscription to which loan was reported on Wednesday as about 68 millions at par in Gold. The negotiation did not make much of an impression on the money market, which was very well supplied with funds, giving the advantage as to rates to responsible borrowers, whose wants continued on a comparatively moderate scale. Call loans have been quoted here at 1@3, with most of the important negotiations reported on the basis of two per cent; and very choice to prime mercantile credits are rated at 3@5, mainly 3@4 per cent per anonm. Some important amounts were reported as placed in the Street at 4 per cent, for specified periods, for Stock Exchange purposes. The City banks, last week, reported a decrease in their specie reserves, with an increase in their legal tender hoard, and a moderate enlargement of their circulation, thus reversing the movement of the preceding week. The loan and discount item was cut down moderately, and the deposit average also diminished. The loan and discount average shows a reduction of \$871,100. The item of circulation was augmented \$110,300, and of deposits reduced \$2,140,800. The legal tender reserve was increased \$362,200; and the specie average fell off \$2,371,500.

The City banks reported their average of gold last week at \$18,887,800, as against \$22,440,100 same date last year; and their greenback average at \$58,809,200, as against \$54,677,500 on July 15, 1876. Their deposits stood at \$229,088,800,

loan item was \$252,452,700 against \$252,961,100 a

The City bank net reserve of specie and legal requirement of reserve to liabilities of \$20,424,925, as against \$21,899,150 the preceding week, \$9,-089,775 the week ending 14th April (the lowest footing of this item thus far in the current year,) and \$24,781,800 on January 27 (which latter was the highest aggregate reached this year.) The City bank exchanges in corrency reached \$394,344,937, or a daily average of \$65,724,156.

The U. S. Sub-Treasury in this city closed the week ending on Wednesday with a currency balance of \$49,702.787, against \$48,308,694 the preceding week; and a coin hoard of \$84,306,673, against \$82,926,868 on the return of a week earlier. The Customs revenue of the port during the past week was \$2,045,000.

The aggregate of the outstanding U. S. currency of all denominations, July 1st, was \$381,-684,573. The outstanding amount of legal tender notes is \$359,764,332. The National bank circulation is now \$315,285,277 of currency notes and \$1,480,120 of national gold bank notes.

National Bank notes received at the Treasury Department last week for redemption were to the amount of \$5,514,000.

The income of the Government from internal revenues last week was about three millions, and during the fiscal year ending June 30, 1877, \$118. 488,279, against \$116,700,782 in the preceding fiscal year; and from Customs last week about 234 millions, and in the last fiscal year \$130,439,-419, against \$148,071,985 in the preceding fiscal ness, especially in Breadstuffs, but prices have year.

On Wednesday of this week the cash balances of the Treasury Department at Washington were: of Currency, \$7,963,213; special deposit of legal tenders for the redemption of certificates of deposit, \$57,780,000; Coin, \$107,757,241, including of Coin certificates, \$40,757,241.

Gold has been ruling stronger as to price, partly under the influence of the Treasury loan negotiations, and the probable bearing of the coin paythe open market, through the next few weeks. The speculative demand has been brisker. The Customs call has been rather more liberal. The 105 1/20105 %, closing at 105 %, as against

on Wednesday of the preceding week. The lowest point yet touched was 10414, on Friday, \$35; Old Rails \$18@\$19. Wrought Scrap \$222 March 2d. The specie outflow last week was \$25. Steel Rails, on the basis of \$45 2\$48 at the only \$218,630, making the total exports of specie hence since January 1, \$20,576,386, against \$34,- delivery. 279,980 the same time in the preceding year. The imports of specie at this port last week were confined to \$3,919, and since January 1s; have been \$7,400,780, as against \$2,441,630 same time last year. The Customs demand for gold last Hamburg, and Rotterdam, have most of their week averaged \$340,834 per day. Foreign Exchange has been less sought after, at much lower ment already under contract, for the new crop, at rates, leaving off quite irregularly. Bankers' six- materially advanced figures, closing for Antwerp, ty day bills on London closed on Wednesday at and Rotterdum, for August and September ship-\$4 84 1/4 084 85 1/4; sight bills on London at \$4 87 ment, at 10 20 10 1 d. per bushel. Liverpool steam-384 88 to the £ sterling. The week's imports of er rates at the close for Grain, 51 26d, per stand 108; do. 3d mort., 99; Steubenville and Indiana Dry Goods and general merchandise were to the ard bushel, Provisions, 20s. 245s.; Tallow, 20s.; 6s, 881/4; Susq. Coal 6s, 74; Connecting R. R.

against \$224,167,500 same time in 1876. The specie value of \$6,764,895 as against \$5,371,584 the Leather, 25s. Measurement Goods at 12s, 6d,@ corresponding week of 1876. The week's import entries of Foreign Merchandise at New York included \$1,296,184 of Dry Goods and \$5,468,261 Cake and Slate, 10s.@12s. 6d.; Measurement tender notes now shows an excess over the legal of General Merchandise. The week's export of Goods 10s.@15s.; Tobacco 25s. Grain rates on Domestic Produce and Miscellanes us Goods from this port were \$5,154,447, against \$5,832,961 same week in 1876.

> Government securities have been quite active and generally stronger though variable as to price. At the close the market was quoted as a rule firm, leaving off on Wednesday as follows:

> United States currency sixes, 1251/4@1251/4; do. 6s, 1881, registered, 111@1111/6; do. coupon, 112@11214; do. 1865, new, registered, 10634@ 1067; do. coupon, 1063/@1067; do. 1867, registered, 1083/4@1087/4; do. coupon, 1083/4@1087/4; do. 1868, registered, 111@112; do. coupon, 111@ 112; do. ten-forties registered, 1121/2@1183/4; do. coupon, 113@1131/4; do. five per cents 1881, registered, 110@1101/4; do. coupon, 1111/4@1111/4; do. 41/2 per cents, 1891, registered, 1083/20109; do. coupon, 1083/4@109.

> The amount of U. S. bonds held by the Treasurer of the United States, as security for the National Bank circulation, is \$336,827,400, and \$18,-857.000 as security for public deposits,

> State and Railway bonds have been in moderate demand and quoted generally firm, in the instance of the more substantial loans which have been generally offering less freely. And in the line of Railway and Miscellaneous share property business has been fairly active but at reduced prices in many instances leaving off irregularly.

> More activity has been noted in general busifluctuated considerably closing as a rule more steadily. Further free dealings have been reported in No. 2 Red Western (Winter Wheat), new crop, and N. Y. No. 2 Spring for forward delivery, chiefly on export account. Petroleum has advanced on a light offering for early delivery. For eign merchandise has been in moderate demand. with values showing no radical changes.

Hardware and Boots and Shoes have been attracting rather more attention, while Dry Goods ments for the new loan on the course of Gold, in have been in better demand with prices quoted as essentially unaltered,

A moderate movement has been noted in the line of Metals, with prices quoted barely steady. export movement, however, has been light. The Eglinton Pig Iron queted at \$25 50; Glengarextremes of the price during the week have been nock \$27 50; Coltness \$28 50 @\$29; No. 1 American Pig at \$18@\$19; No. 2 do. at \$17@\$18; Forge \$16@\$17; American Rails at works \$32@ mills. Ingot Copper quoted 19 3191/4 for early

> Ocean freights have been much stronger, as a rule, and quite active. Grain room on beith and charter more urgently sought after. The Continental steam lines, including Antwerp, Bremen, room for Grain for August and September ship-

17s. 6d. per ton; Cotton, 3d.@37d.per lb., Liverpool, by sail. Cotton, 3d. Grain, 5td. Oil charter hence for Cork and orders left off at 5s. @5s. 6d. for the Continent, at 5s. 6d. @6s. and from Baltimore for Cork and orders, 4s. 6d.@5s. 8d. as to time of loading and from Philadelphia at 3s. 9d.@4s. per quarter. Refined Petroleum hence for Cork and orders, 3s. 9d. 24s. for the Continent, 8s. 6d. @4s. per bbl. And for Liverpool by steam, from Chicago, of through freight Provisions, at 45@50c. via Boston, per 100 lbs.

The following quotations of sales of Railway and other securities are in addition to those given elsewhere in our columns :-

Now York .- Buffalo and Erie 7s, new, 1071/2 . Albany and Eusq., 81 mort., 90; Canada Southern 1st mort., coupon on, 47; Long Island R. R. 1st mort., 102; Chicago, Burlington and Quincy 5s, S. F., 901/2; Cleveland and Toledo 7s, new, 108; South Pacific 1st mort., 72; N. Y. Central 6s, sub bonds, 104; East Tenn., Va. and Ga. 1st mort., 89; Toledo and Wabash 1st mort., 107; Wabash R. R. Pur. Com, Receipts, 4; New Jersey Southern R. R., 3/2; Rensselaer and Saratoga R. R., 93; Dacuque and Sioux City R. R., 431/4; Ontario Silver Mining, Co., 211/8; Mariposa L. and M. 21/4; do. pref., 21/2; Canton Co., 20; Am. Dist. Tel., 25; Missouri 6s, long bonds, 106; do. Asylum bonds, 1051/2; do. 6s, 1876, 1001/6; Tennessee 6s, old, 4834; do. new, 4314; do. new series, 4814; Louisiana 7s, consol., 791/2; Michigan 6s, 1878, 108; Virginia 6s, ex mat. coupon, 651/2; Obio 6s, 1881, 106; North Carolina 6s, old, Apl. and Oct., 18. The latest quotations are : Adams Exp., 96@ 961/4; American Exp., 45@47; Atlantic and Pacific Telegraph, 191/2 20; Central Railroad of New Jersey, 10@101/2; Chicago, Burlington and Quincy, 991/2 @-; Chicago and Alton, 85 @-; do. pref., 101@-; Chicago and Northwestern, 2178@22; do. pref., 501/20503/4; Chicago, Milwaukee and St. Paul, 223/4@23; do. pref.,587/6@59; Chicago, Rock Island and Pacific, 941/4 @943/8; Cleveland, Columbus, Cincinnati and Indianapolis, 263-; Cleveland and Pittsburg, 82@82; Columbus, Chicago and Indiana Central, 15/6 @21/6; Delaware and Hudson Canal, 353/8@351/2; Delaware, Lackawaona and Western, 393/2 @391/2; Erie, 71/2 @81/2; Hannibal and St. Joseph, 121/2@127/8; do. pref., 291/2@ 30; Illiuois Central, 573/@58; Lake Shore and Michigan Southern, 497/8 250; Michigan Central, 41%@42; Morris and Essex, 671/20671/6; N. Y. Central and Hudson River, 933/4@94; New York and Harlem, 138@140; Ohio and Miss., 3@31/4; Pacific Mail, 20@201/4; Panama, 99@ 100; Pittsburg, Ft. Wayne and Chicago, 891/291; Quicksliver, 131/2014; do. pref., 221/2024; St. Louis. Iron Monntain, and Southern, 81/4@-; St. Louis, Kansas City and Northern, 3160-; do. pref., 221/4@-; Union Pacific, 64@65; U. S. Express, 411/0411/2; Wells Fargo Express, 811/4@ 821/8; Western Union Telegraph, 60%@61; Wabash, 37,@4.

Philadelphia.-West Jersey R. R. 7s, 103; Ridge Avenue R. R. 1st mort., 1001/4; Western Pennsylvania R. R. 6s, 77; Belvidere Delaware 2d mort., 6s, 10334; Ithaca and Athens R. R. 7s, 1081/2; Philadelphia and Reading R. R. 6s, 1848-'80, 1031/2; Warren and Franklin 7s, 80; Nesquehoning Valley R. R., 46; Philadelphia, Germantown and Norristown R. R., 91; Central Transp. 2916; Cincinnati 7.80s, 1043/4; Pittsburg 7s, W. L., 107; Pennsylvania State 5s, 1882, 1031/2. The latest quotations are: City 6s, 106 1/2 @107 1/2; do. free of tax, 1113/20113; Pennsylvania State 6s, 2d series, 101@102; do. 3d series, 109%@111; do. 5s, new loan, 108@109; Philadelphia and Reading, 123/8 @12½; do. Gen'l mort. 7s, coup., 93¾@—; do. reg., 93½@—; do. mort. 6s, 1880, 102½@—; do. 7s, new conv. 40@45; do. 7s, 1893, 108@-United New Jersey R. R. and Canal Co., 180@-Camden and Amboy mort. 6s, 1889, 108@1081/2; Pennsylvania R. R., 325/8@323/4; do. 1st mort., 105 @106; do. gen'l mort. coupon, 1051/2@-; do. reg., 1073/@1081/2; do. Consol. mort. 6s, reg., 92@98; Little Schuylkill R. R., 362361/2; Morris Canal, 49@56; do. pref., 119@126; Susq. Canal 6s, -@ 40; Schuylkill Nav., 21/29-; do. pref., 6063/4; do. 6s, 1882, 52@53; do. 1872, 86@90; Elmira and Williamsport pref., 891/2 240; do. 7s, 102 @-; do. 5s, 60@66; Lehigh Coal and Navigation. 185 21834; do. 6s, 1884, 101 4 2102; do. R. K. loan 10214@-; do. Gold Loan, 8714@881/2; North Pennsylvania, 40@-; do. 6s, 108@109; do. 7s, 110 @1101/4 ; do. Gen'l mort. 7s, reg., 105@105 ; Philadelphia and Erie, 81/8@10; do. 6s, 1021/4@104; do. 7s, 94@941/4 ; Minehill, 421/2@431/4 ; Catawissa 51/2@61/4; do. pref., 301/4@35; do. new pref., 28@30; do. 7s, 1900, 105@105; Lebigh Valley, 351/4@353/k; do. 6s, new coupon, 108@108; do. reg., 1091/4@-; do. 7s, reg., 1121/4@113; do. consol. mort., 91@92; Fifth and Sixth streets (horse), 65@70; Second and Third, 65 267; Thirteenth and Fifteenth, 32%@33; Spruce and Pine, 24@-; Green and Coates, 80@82; Chestout and Walnut, 46@48; Hestonville, 113/4@12; Germantown, 42 @44; Union, 65@-; Lombard and South, 10@-; Ridge Avenue 43@-; Seventeenth and Nineteenth, 35@-.

Baltimore,-Baltimore and Ohio R. R. 1st pref., \$6; do. 2d pref., 85; Central Ohio R. R., pref., 87; Richmond and Danville 1st mort., 74; Cincianati and Baltimore 7s, 95; Virginia and Tenessee 3d mort. 8s, 80%; Sunta Clara Mining Co., 91/4; Maryland Defense 6s, 1121/2; Virginia Peelers, 401/2; Baltimore City 6s, 1875, 1023/4; do. 1886, 112%; do. 1890, 1131/2; do. 58, 99; Cincinnati 7.30s, Jan. and July, 105; do. May and Nov. 10334. The latest quotations are: Cincinnati and Baltimore, 7s, 94@100; Wilmington and Weldon 7s, 100 2-; Wilmington, Columbia and Augusta 7s, 25@33; Richmond and Danville 1st mort., 78 @74; Pittsburg and Connellsville 7s, 1898, 941/2 @943/4; Baltimore and Ohio, 90@92; do. 1st pref. 95@96; do. 2d pref., 85@95; do. 6s, 1880, 101 @104; do. 1885, 105@107; Northern Central, 13@ -; do. 6s, 1885, 100@103; do. 6s, 1900, 99@do. 6s, 1900, gold, 87@90; Marietta and Cincinnati 1st mort. 7s, 1892, 88 385; do. 2d mort. 7s, 821/2 @231/2; do. 3d mort. 8s, 11@113/4; Central Ohio, 221/2-; do. pref. 37@-; do. 1st mort., 95@ 100; Western Maryland 1st mort. 6s, 1890, 90@ 90; do. 1st mort. guar., 105@-; do. 2d mort. guar., 105@-; do. 3d mort. guar., 107@-; do. 2d mort, pref., -@82; do. 2d mort., guar. by Washington Co., 100@-; Virginia and Tennes-

see 2d mort, 6s, 80@82; do. 8d mort, 8s, 80@ 811/2; Orange and Alexandria 1st mort, 6s, 70@ 90; do. 2d mort. 6s, 66@70; do. 8d mort. 8s, 40@50; do. 4th mort, 25@40; Orange, Alex. and Manassas 7s, 65@70; Baltimore 6s, 1875, 1023/4 @108; do. 1884, -@118; do. 1886, 118@-; do. 1886, new, 1111/4@-; do. 1890, 1181/4@1181/6; do. 1900, 113@—; do. 1900, new, 113@113½; do. 1902, 118@113; do. 1902, new, 118@-; do. 6s, exempt, 115@117; do. 1898, new, 1141/2@115; do. 5s, 98@-; Maryland Defense 6s, 1883, 1123/2@ 113; do. 6s, 1890, 109@-; do. 6s, exempt, 113@ 1131/4; do. 5s, 97@-; Virginia consol. 6s, 651/2 @65%; do. 2d series, 40@42; Virginia Consol. coupons, 801/4@803/8; West Virginia def. certif. 5@5 4; Baltimore City Passenger R. R., 88@84 Baltimore and Catonsville R. R., 14@151/2; George's Creek Coal, 90@110; Maryland Coal, -@11; Atlantic Coal, 1.10@1.70; Canton Co., 18@ 21; do. gold 6s, -@91; Santa Clara, 9@10.

Boston .- Boston and Maine 7s, 111; Vermont Central 1st mort., 9; Cheshire 6s, 1896, 971/2; Cape Cod 7s, 1881, 1041/4; Middlesex Horse R. R. 8s, 1885, 108; Omaha and Southwestern 8s, 97; Cedar Rapids and Missouri River R. R. 7s, 1916, 100; Summit Branch R. R., 10; Cheshire R. R. pref., 311/4; Boston, Revere Beach and Lynn R. R., 601/4; Manchester and Lawrence R. R., 1191/4; Chicago, Iowa and Nebraska R. R., 1111/4; Cedar Rapids and Missouri R. R., Iowa R. R. Land Co., 60; Boston Land, 31/4; Boston 5s, 1906, 1103/4; do. 6s, 1880, 1061/4; Springfield, Mass., 6s, 1881, 1051/4; Rockland, Me., 6s, 1891, 1041/8; Charlestown 6s, 1893, 1131/6; Chelsea 6s, 1895 1107/8; Chicago 7s, 1894, 1103/4; Cincinnati 6s, 1906, 973/8; do. 7.30s, 1906, 1027; Cleveland 7s, 1879, 10316; do. 1878, 104; Duncan Silver MiningCo., 11/4; International, 80c.

FISK & HATCH,

Bankers,

No. 5 NASSAU ST., NEW YORK.

U. S. GOVERNMENT BONDS bought and sold in amounts to suit investors: also, Gold, Silver and foreign coins: Deposits received in Currency or Gold, and interest allowed on Balances: Special attention paid to Investment Orders for Miscellaneous Stocks and Bonds.

ILLINOIS CENTRAL RAILROAD COMPANY, }
NEW YORK, July 18, 1877.

A DIVIDEND OF TWO (2) PER CENT HAS been declared by this company, payable on the lst day of September next, to the holders of the capital stock of this company as registered at the close of the 14th day of August next, after which, and until the 5th day of September, the transfer-books will be closed.

L. V. F. RANDOLPH, Treasurer.

Lightning Rods-Theory versus Practice.

Whatever differences of opinion may exist in regard to the theoretical principles which underlie the construction of lightning rods, there can be no doubt about the fact that a good rod of any kind, well arranged and faithfully put up, as regards ground connections, etc., is infinitely superior to a rod of the best theoretical design, carelessly erected; consequently those who wish to feel safe, ought by all means to employ trustworthy and intelligent parties to do their work. A long acquaintance with Mr. West, of Cortlandt street, New York, has convinced us that although we do not entirely agree with him upon certain points connected with the construction of rods, yet that Mr. West

puts up a good and reliable protector, from the fact that whatever he does is done honestly and well,—Amer. Journal of Microscopy.

Redemption of Five-twenty Bonds.

The Secretary of the Treasury on the 16th inst, issued the fifty-first call for the redemption of five-twenty bonds of 1865—known as five-twenty bonds of the act of March 3, 1865, (consols of 1865.) The call is for \$10,000,000, of which \$7,000,000 are coupons and \$3,000,000 registered bonds. The principal and accrued interest will be paid at the Treasury of the United States in the city of Washington on and after the 16th of October. 1877, and interest will cease on that day. The bonds designated are as follows:

Coupon bonds—Dated July 1, 1865, namely: \$50, No. 17,001 to No. 24,000, both inclusive; \$100, No. 29,001 to No. 40,000, both inclusive; \$500, No. 27,001 to No. 34,000, both inclusive; \$1,000, No. 52,001 to No. 64,000, both inclusive. Total coupon, \$7,000,000.

Registered bonds—Redeemable at the pleasure of the United States, after the 1st day of July, 1870: \$50, No. 701 to No. 900, both inclusive; \$100, No. 6,401 to No. 8,550, both inclusive; \$500, No. 5,201 to No. 6,150, both inclusive; \$1,000, No. 16,501 to No. 19,850, both inclusive; \$5,000, No. 5,051 to No. 5,900, both inclusive; \$10,000, No. 4,473 to No. 5,354, both inclusive. Total registered, \$3,000,000.

The amount outstanding included in the numbers above is \$10,000,000. All United States bonds forwarded for redemption should be addressed to the "Loan Division, Secretary's Office," and all registered bonds should be assigned to "The Secretary of the Treasury for redemption." Where parties desire checks in payment for registered bonds drawn to order of any one but the payee, they should assign them to the Secretary of the Treasury for redemption on account of the owner or owners.

At a meeting of the directors of the Eric and North Shore Dispatch Company, being the various fast freight lines consolidated, at Detroit on the 13th inst., the report showed that 528 more tons were carried in the past six months at \$27,-000 less expense. Several other railways are desirous of becoming members.

The Paducah and Elizabethtown (Ky.) Railroad is said to be prospering well under Gen. Minty's management. Recently 7,000 new ties have been put down and seven miles of steel rails laid, and it is proposed to work in steel gradually all along the route.

The town of Sherbrooke, Canada, has voted, at a public meeting, by 51 to 19, to grant \$25,000 as a free gift to the Waterloo and Magog R. R. Co., on condition of their building that road to Sherbrooke.

The directors of the Portsmouth, Gt. Falls and Conway Railroad, elected on the 10th inst., are: Alfred P. Rockwell, Samuel C. Lawrence, Robert W. Hooper, Jas. W. Johnson and George W. Burleigh.

Samuel Sloan has been re-elected President, and H. B. Ledyard General Manager of the Michigan Central Railroad Company.

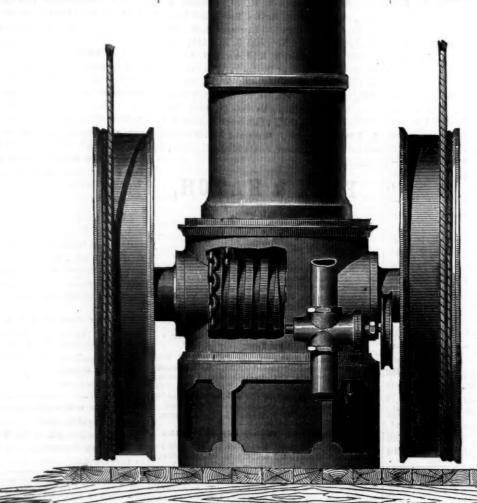
Hydraulic Elevator.

In last week's JOURNAL we gave a representation of the new elevator being constructed at the Burdon Iron Works, Brooklyn, N. Y. The annexed engraving represents the hydraulic engice for driving this elevator.

The hydraulic cylinder is seen interiorly by the removal of a part of its sides, so as to expose to view the piston, to which the chains are seen attached, and which it lifts when the pressure of the water is turned on, fills all the space in the cylin der below the piston, wherever this may be situated. When the water pressure is turned on, it elevates the piston, this pulls the chains upward, and as they are wound with their lower ends around an interior drum, also exposed to view; the revolution of this dram works the large drums attached at both ends of the same axis. Upon the latter the wire rope is wound which lifts the car, as mentioned in the former description; the ascent of the piston raises the car, the hydraulic pressure is sufficient to overcome the weight of the passengers, the car itself being balanced by a counterpoise. To cause the car to descend, a three-way cock, which admits the water into the cylinder, is turned so as to discharge this water, and then the piston, being released from the pressure, will descend, more especially as it is pulled down also by the descending car; the rapidity of descent is regulated by the exit of the water, and by properly opening the cock the ascent and descent may be made as slow or rapid as desired. We call special attention to this peculiar feature.

Many other elevators worked by different systems of machinery, cannot be thus regulated; when put in motion they at once start with almost the full velocity, move always exactly at a certain speed, and also stop too suddenly; while by the hydraulic system any velocity may be attained, from a scarcely perceptible motion to that obtained by the whole flow of the water when the cocks are fully open. The movement of this elevator is remarkably smooth, and free from any vibration or sudden impulses whatsoever.

As it does away with the employment of any power on the premises, and is perfectly safe, it cannot fail to recommend itself for large private residences, where we expect to see it extensively employed. It reflects credit upon the inventor, who has distinguished himself in many departments of bydraulics.



HYDRAULIC ELEVATOR.

AS CONSTRUCTED AT THE BURDON IRON WORKS, BROOKLYN, N. Y.

RAILROAD AND CANAL DIVIDEND STATEMENT.

Showing the amount of Stock Outstanding, the Dividend Periods and the date of last Dividend.

Marked thus (*) are leased roads.	Stock out- standing.	Dividend Periods.	Last Dividend Payable.	Marked thus (*) are leased roads.	Stock out- standing.		Last Dividend Payable.	Marked thus (*) are leased roads.	stock out- standing.	Dividend Periods.	Last Dividend Payable
Albany and Susq*100 Atlanta and West Point.100	1,232,200	J. & J.	July 75 8	Little Miami	2,646,100	J. A. J.	June '77 2 July '77 34 M '78 100	V-rmont and Mass 100 Ware River*	750,000	J. & J.	Api. '77 84 Api. '77 84
Atlantic and Gulf 100	786,476	M. & N.	Nov. '78 84	Louisv., Cin. and Lex 50 u " pref.100	1,623,488	J. & J.	July '69 3	Warwick Valley	821,300	A. & O.	
Atlantic and St. Law*100 Avon,Geneseo & Mt. M.*100 Raltimore and Ohio100	225,000	A. & O.	Jan. '75	Louisville & Nashville100 Louisv., N. Alb. & Chi100	8,980,600	F. & A.	Feb. '74 4 Dec. '70 8	West Jersey 100 Winchester & Potomac*100	1,559,750	P. & A. J. & J.	Feb. '773 July '77 2
Washington Br 100 Berkshire*	1.050.000	A. & U.	A.D. 70 0	Lowell and Andover 100	500,000 200,000	J. & J. A. & O.	July '77 34 Api. '77 8	Winchester & Strasburg*100 Worcester and Nashua. 70	500,000	J. & J.	July '77 34 July '76 2
Blossburg & Corning 50	20.000,000	J. & D.	Apl. 77 13 Dec. 72 24 May 77 4	Lykens Valley100 Macon and Western100	2,500,000	J. & J.	Aug.'75 24 July '73 5	HORSE-LOWER IN THE			
Bos., Clin. & Fitchb.prel.100	1,172,000	- a -	Jan. '76 3 June'76 3	Manchester and Law100 Marietta & Cincinnati 50	1,408,912	- & -	May '77 5	Albany City	1,000,000	J. A. J.O.	July '77 8
Bost., Conc. & Mont. prefice	800,000 3,200,000	M. & N. J. & J.	May '77 8 Jan. 75 3	" a 1st pref. 50	4,460,368	M. & S.	Sep. '66 3s	Boston and Chelsea10	110,000	J. & J. A. & O. J. & J. J. & D.	Api. 774
Boston and Maine 100	4,000,000	M&N.	May '77 2 May '77 3	Massawippi*100 Memphis & Charleston* 20	6,312,728	F. &. A J. & D.	Feb. '75 3 Jan. '69 3	Broadw, & 7th Av. (NY)10	2,100,000	J. & D. F.M.A.N	Jan. '75 8
Attleborough Branch 100	350,000	quarterly	July '77 34 Dec. '76 2	Mill Creek & Minehil*, 50	823,878	J. & J. J. & J. J. & J.	Jan. '73 4a July '77 5	Brooklyn City & Newt.10 Brooklyn and Jamaica10	000,000	J. & J.	July 70
Buffalo, N. Y. and Erie - 100 Camden and Amboy 100	5,847,800	quarterly	Dec. '76 84 July '77 24	M. Hill & Schuyl. Hav.* 56 Morris and Essex*	15,000,000	J. & J	July '77 34	Bushwick (Brooklyn)10	302,000 824,300	J. & J.	July '71 84 Api. '77 44
Camden and Atlantic 50 " pref. 50	838,311	quarterly	Jan. '77 2 Jan. '77 2	Nashua and Lowell 10	800.000	M. & N.	May '77 2 Dec. '76 3	Cen. Park, N. & E. Riv.10	1,068,400	A. & O.	
Camden & Burl. Co100 Grpe May and Millville 50	447,000	J&J. J&D.	July '77 8 Dec. '76 8	Nash., Chat. & St. Louis.10					200,000	M. & N.	Nov. '717
Catawissa pref	1,159,600	- & -	May 177 2	Nash., Chat. & St. Louis. 19 Nangatuck 10 Nesquehoning Valley* 5 Newark and N. York* 10 N. Castle & Beaver Val.* 5 N Haven & Northamp 10 New Jersey* 10 N.Y. Cen. & Hudson R 10 New York and Harlem 10	0 1,000,00	M. & S. J. & J.	Mar. '77 5 Jan. '75 34	D. Dock.E. B'dw. & Bat. 10 Eighth Avenue (N.Y.) lo	1,200,000	F.M.A.N J. & J.	Aug. '75 2 Jan. '75 6
u 04 nvot 50	1,000,000	M. & N.	May '77 8	N.Castle & Beaver Val.* 5 N Haven & Northamp10	0 1,800,00	quarterly	July '77 2	Elizabeth and Newark 10 42nd St. & G. St. Ferry 10 Frank f. & Southw. (Ph.) 5	200,000	M. & N.	May '75 6
Cayuga and Susq.* 50 Cedar Rapids & Mo. R.*100 pref.100	6,850,400	F.M.A.N	May '771 Feb. '773	New Jersey*10 New London Northern*10	0 7,295,20 0 1,418,80	quarterly	July '77 21 Apl. '77 2	Germantown (Ph.) 5	U 1, 00,000	J. & J. J. & J.	July '76 8
Central of Georgia100	7,500,000	J. & D.	June'74 4 Apl. '75 2	N.Y. Cen. & Hudson R. 10 New York and Harlem 10	0 89,428,33 0 8,500,00	J. & J.	July '77 2 July '77 4	Girard College (Ph.) 5 Grand St. and Newton-10	0 170,00	J. & J.	July '71 8 July '71 2
Central Ohio*	2,425,000	J & J. J. & J.	Jan. '77 2 Jan. '77 8	N. Y., N. H. & Hartf10	0 1,500,00 0 15,500,00	J. & J.	July '77 4 July '77 6	Green & Coates St. (Ph.) Heston, Mantau & Fairm.	0 2.050 00	J. & J.	July '77 14 Jan. '75 14 May'77 4
Central Pacific100 Chemung*100 Cheshire, preferred100	54,275,50 380,00	A. & O.	Apl '77 4	N. Y., N. H. & Hartf10 N. Y., Provid. & Boston, 10 Nieg. Bridge & Canand*10	0 1,000,00	J. & J.	July '77 8	Highla d	5 105,00 0 200 00	M. & N. A. & O O - & -	Oct. '71 6
Chicago and Alton 100	10,065,40	0 M. & B.	Mar. '77 4	N. Eastern (S.C.) pref. 10	0 96,00	M. & N	Jan. '73 5 May '67 4 Feb. '77 3	Malden and Melrose 10	0 200.00		July '77 4
(hisago Rurl & Quincy.100	27.598.24	2 M. & B.	Mar. '77 4	Northern Central	0 5 842.00	0 - & - 0 J. & D.	1 Apl '76 3	Middlesex (Boston)16	400,00	0 M. & N.	May'77 8
Chicago, Iowa & Nebras*100 Chi, Mil. and St. Paul100	15,399,26	1) A. & ()	July 77 5 Dec. '70 7	Northern N. Hampsh16 Northern New Jersey*16 Norwich & Worcester*16	0 1,000,00	0 J. & J.	July '74 4 July '77 5	Orange and Newark 1	0 282,55		Jan. '77 8
Chicago & N. Western 10	14,994,60	0 J. & D.	Dec. '72 8	Ogdenso, & L. Champi."10	JU 3.077.00	0 1. & J.		Pulladelphia and Darby	200,00	0 J & J.	July '712
Ch'aggo R I & Pacific-10	25.000.00	8 J. & J. 0 quarterl	V Ang. 77? 2	Ohio and Mississippi	20,000,00	quarteri	Mar. '75 8		00 200,00 00 888,10	O.I.A.J.O	Jan. '77 9
Cin, Ham. & Dayton10 Cin, Sand. and Clev.* 5 pref 5	0 2,980,55	0 - & - 0 M. & N	Apl. 7210	Osweyo and Syracuse*-1	00 6,733,8	C J. & J.	July '77 8	Pbg, Alleg. & Manchester Second Avenue (N.Y.)	0 982,10 50 500,00	0 J. & J. 0 J. & J.	Oct. '76 8 July '74 2 Nov.'74 5
Clev., Col., Cin. & Ind 10 Cleveland & Mahoning*. 5	0 14,991,27	5 F. & A	Feb. '76	Pacific of Missouri	0 2,035,71	Vionarteri	y July '75 l y Aug. '77 8	Third Avenue (N. Y.)1	00 1.170.00	0 F.M.A.N	Teb. 76 9
Oleveland & Pittsburg* 5	0 11,236,18	0 quarterl	v June 1771	Paterson and Hudson*_1	00 632,00 00 250,00	0 J & J.	July '77 4	23d street (N. Y.)l	00.000,00	0 J. & J. 0 J. & J.	July '77 2
Colum. & Hocking Val_10	0 2,500,00	0 F. & A	Aug. '77					Somerville (Boston)1 South Boston	98,00 450,00	Olonarterly	May'77 3 July '77 2
Concord and Ports.* 10 Conn. & Passun.p div1	0 850,00	00 J. & J. 00 F. & A	Tuly '77 . Feb. '75	Paterson and Ramapo * . I. Pember. & Hightstown * . Pennsylvania Peoria & Bureau Val. * . I	MIAG STA DE	1 In	- Mar 1999 4	Union (Boston)	50 400,00	N J. & J.	
Connecticut Dive	2,100,00	0 J. & J. 50 J.A.J.	July '77	l'hiladelphia and Erie*.	6,004,30 50 2,400,00	0 J. & J. 0 J. & J.	July '74 4	CANALS.	400,00		
" 1st pref 5	0 241,90	00 A. & U	Apl. '77	d " " pref. Phil., Ger. & Norristwn* Philadelphia & Reading " " pref. Phila, and Trenton*	1,626,2 50 82,725,7	o M.J. S.I. 5 quarter	y lan. '76 2	Chesapeake & Delaware	1,983,56	3 J. & D.	June' 75 2
Delaware	0 1,230,9	50 J. & J	Dec '75 :	Phila, and Trenton 1	00 1,259,10	0 quarter	y July 76 3	Delaware Division	50 1,633,30	60 F. & A	Feb. '77 4
Del., Lackaw & Westn. o Detroit & Milwaukee *. &	822,1	quarter	y Ju.y '76	Pitteb., Ft. W. & Chi.*_1	00 19,714,2	5 quarter	y July '77	Delaware and Raritan*.1	00 5,847,40 60 64.00	00 quarterl	July '77 2
Dubuque & Sioux City	0 5,000,0	00 A. & O	Apl. '77	Pittsfield & N. Adams. 1	00 450,0	J. & J.	July 77	Lehigh Coal & Navigat.	50 10,848,5 50 1,003,5	J.S D.M	Sept. 76 1
East Mahano	392,9	50 J. & J	July 77 2	Yarmouth certificates.	00 202,4	00 A. & O	Apl. '72	Morris (consolidated)	00 1,025,0 00 1 175,0	00 F. & A	Feb. '77 2
East Pennsylvania* East Mahanov *	00 4,997,6	00 J. & J	July '78	Providence & Worces	00 2,000,0	00 J & J	Jan. '77	Pennsylvania	50 4,337,9 50 1,908,2	50 -&- 07 F. & A	Feb'77 38
Elmira, Jef. & Canand*_ (00 500,0 500,0	00 F. & A	Aug. '74	Rensselaer & Saratoga *1	00 6,000,0 10 555.2	00 J. & J 00 - & -	July '77 July '75	Susq. and Tide Water	50 2,898,9 50 2,002,7	17 F. & A	Feb'77 66
Eric Rail way	50 500,0	00 J. & J	Jan. '77	Tarmand and Reinebec. Yarmouth certificates. Porti, Saco & Portam. Providence & Worces. Raleigh and Gaston Roch & Genesse Val.* Rutian. "proferred. "proferred. "st. Cocky and Panobacot.	00 2,998,9 00 2,480,6	00 J. & J	July '76	" preferred	50 2,907,8	50 - de -	
Erie and Pittaburg*	8,536,9 50 1,090,2	10 50 quarter	Oct. '73	St. Croix and Penobscot.	00 4,168,7	00 F. & A 00 J. & J	Feb. 75 3 July 71	MISCELLANEOUS.	10 000 0		Jun-4
Georgia	4,200 0	00 J. and 00 J. and	J. July '77 J. Jan. '77	3 St. L., Alt. & T. mante.	2,300,0	00 _ & - 00 July.	July '74	American Ceal	25 1,500,0	00 M. & B	Mar. 77 2
Granite Railway	00 19,237,4	00 J. and 04 A. and	J. July '76 O. Apl. '74	St. L., Kan. C. & North.	00 12,000,0	00	Yes. 74	Calumet and Hecla Mini	g. 80,000 a	hs F.M.A.	N Aug.'77
hangical & St. Joseph. P. pref. 1	00 4,151,7	224 Annua	A. Aug. '70 Aug. '70	Schuylkill Valley	69 676,0	50 J. & J	July '77	Consolidation Md.) Coal.	00 10.250.0	Annna	1. Feb. '77 4
Harlem Extension 1	00 4,000,0	000 — &	May 70	chamokin V. & Pottsv.*	50 869,4	50 F. & A	Feb. '77	Cumberland Coal & Iron.	600,0	00 - & -	Oct. '75
Housatonic, pref	00 1,180,0	000 quarter	ly July 77	3 Raleigh and Gaston 24 Rensselaer & Baratoga*; 25 Roch. & Genesse Val.* 26 Roch. & Genesse Val.* 27 Romes de Green de Garatoga*; 28 Romes Watert, and Ogd 29 Romes Watert and Ogd 30 R. L., Alt. & T riaute 31 St. L., Alt. & T riaute 4 St. L., L. Mt. & Bouth'n 32 Schuylkill Valley* 33 Schuylkill Valley* 34 Schuylkill Valley* 35 Schuylkill Valley* 36 South Western, (Ga.)* 37 South Western, (Ga.)* 38 South Carolina 38 South Carolina 39 South Western, (Ga.)* 31 Staten Island 32 South Western, (Ga.)* 33 Staten Island 34 Staten Island 35 Summit Branch* 36 Summit Branch* 37 Summit Branch* 38 Summit Branch* 39 Syr., Bingham. & N.Y.*	100 169,0	00 A. & (Apl. '77	Gilberton Coal Co	00 500,0 100 4 400.0	00 - 4 -	Feb. '77
Binois Central	50 450,	750 J. @	July'68	South Carolina	100 5,819,2	75 F. & A	. Feb '72 June '77	1 Maripesa Goldpref	100 2,836,6 100 8,698,4	00	
Indianapolis, Cin. & Laf.	50 7,685,	197 M. & 1	S Sept.'67	4 Staten Island	100 660,0	00 J. & J	July '67	Pacific Mail Steamship.	50 4,000,0	00 M.J.S.	D. Sep. '69 1 N Feb. '78
Iowa Bailroad Land Col	00 7 620,	000 quarte	rly May '77	stony Brook*	00 267,8 50 4,125,0	00 M. d.	Feb. 76	Pullman Palace Car Quicks. ver, common	100 6,000,0	000 F.M.A.	May '77
Joliet and Chicago	00 1,500, 00 300.	000 quarte	July '75	Syr., Bingham. & N.Y.	100 2,004	50 J. & I	J. Jan. '72 Dec. '76	Quincy Mining Co	20,000	hs F. &	Feb. '77
Lake Shore & Mich. So	100 49,466, 100 533,	500 F. & .	A. Feb. '77 A. Feb. '77	Terre Haute & Indiana	100 1,988,	00 J. & .	J. Jan. '74 J. Jan. '77	5 Spring Mountain Coal	50 1,750,0 1,250,0	000 J. & 1	July '77
Leeds and Farmington*	50 450, 100 600,	000 quarte	Jan. '72	South Western, (Ga.) * Staten Island Stockbridge and Pitta*. Stony Brook* Summit Branch* Sussex (N. J.) Sussex (N. J.) Tanton Branch Terre Haute & Indiana Troy and Greeabush* Union Tacifle Duics and Black River. Verport ad Canada*.	100 36,745,	00 J. & I	July '77	2 Wells-Fargo & Co. Lip	100 5,000,0	000 J. &	Luly 77
		MANUAL DE AV.	THE R. P. LEWIS CO., LANSING, MICH.	B MUMOS BRU DIBOK BIVET	AND DESCRIPTION OF		. Last B.D. '77	O TO DOWN THINK I GIVE I SULL	THE PERSON NAMED IN COLUMN		WE WILL 177

BOOKS AND MAGAZINES.

A Practical Treatise on Lightning Protection, by HENRY W. SPANG. With Illustrations. Philadelphia : Claxton, Remsen & Haffelfinger, 1877. One of the truest statements in this book is that persors heretofore engaged in the business of mannfacturing and erecting lightning conductors have not made any effort to obtain a proper knowledge of the electrical science, and hence have not constructed and applied lightning rods in a proper scientific manner. Their object has, apparently, been to make money, rather than afford protection from lightning. Of this fact the public have been and are well informed by manufacturers who construct and erect reliable lightning rods. Hence the want of faith in any device which is put forward as a patented article, and requires a whole book to show the fallacy of many plans for lightning protection and the efficiency of a new one.

The author claims to have had a long practical experience in the telegraph business, and has considered himself fully competent to compile a work on lightning rods, &c. The book commences with information on electricity much of which, if not all in substance, may be found in Well's Natural Philosophy and other elementary works on electricity, and closes with a chapter on " Reform in the Lightning Protection Business," which is undoubtedly original. But other works are drawn upon for statements and illustrations which the author by not crediting the writers would have the reader consider as his own production. The little practical work, entitled "Lightning Rods and how to construct them," by John Phin, C. E., a book written in 1873, not in the interest of any patent or special manufacture has proved useful to him, and we are pleased to think he quotes such good authority. Knights Mechanical Dictionary, page 1818, has proved equally valuable to him. It is customary, and indeed frequently necessary, for authors to make excerpts from other writings; a recognition of the book or the author by naming the one or the other is a courtesy which the author of this work on Lightning Rods does not seem willing to grant.

Eastern (N. H.) Railroad.

The following is an extract from the report of the directors of the Eastern Railroad in New Hampshire, presented at the annual meeting of the stockholders held in Portsmouth on the 10th

It is nearly a year since you, at the annual meeting of the Eastern Railroad in New Hampshire, July 11, 1876, saw fit to elect, by a unanimous vote, the undersigned as officers of your corporation. You deemed it wise to select for your officers persons who were free from all interest in the Eastern Railroad Company of Massachusetts. Your directors continue uninterested financially in the affairs of the Massachusetts Company, but watchful regarding the same wherever your interests are concerned.

Various previous attempts to change the management of your company had proved unsuccessful; and your corporation, a twelvementh since, was, as for many years it had been, under the practical control of the Eastern Railroad Company of Massachusetts. So completely was this the case, that when, many years since, some of your shareholders, believing that the Massachusetts Company was not fulfilling its agreements under the lease of 1840, sought to obtain an authoritative decision on those points, not only were ob-

ong and doubtless costly suit at law, succeeded in fully establishing, under decisions of the Supreme Court of the State of New Hampshire, all that they had claimed as rightfully yours, the then directors of your road, who themselves were allied officially or otherwise with the Massachusetts Company, surrendered at once (if their action was lawful) by what is known as the contract or lease of 1862, all that had been gained by these years of labor on the part of individual stockbolders of your road.

Under this lease or contract it is claimed that you are entitled to no income whatever for the use of your property, except and when the Massachusetts Company shall make a dividend to its own stockholders, and then only to the extent of the dividend which may be made by that company to its own shareholders; and it is claimed that these condition exist until the termination of the contract of 1840, that is, until A. D. 1939.

Your directors could not for an instant concede the correctness of the position taken by the Eastern Railroad Company. At the same time, both as directors of your road, and as watchful of the public welfare, they recognized that the control of the transportation over your road was desirable for the better management of what the Massachu setts Company call, and seek to make of their own and connecting roads-a great through route to the eastward. If this desire on the part of the Massachusetts Company could be accomplished. and at the same time there could be secured to you an equitable income from your property and the enjoyment of your corporate rights, free from the domination of another, and in some respects antagonistic corporation, mutual good would be accomplished.

Your directors, immediately after their election addressed themselves to this end, and stated to the officers of the Eastern Railroad Company their desire to adjust any matters of difference between the two corporations by negotiation, rather than by the more dilatory and less agreeable means of processes of law. Your directors report, with sincere regret, that their efforts, which were continued, notwithstanding various delays interposed by the Massachusetts Company, for nearly six months, failed of success, and that they were compelled to seek relief by measures at law.

Your directors believe that both law and equity, as well as common sense, will sustain them in their efforts to break the hold which the Eastern Railroad Company claims to have upon your property for a term longer than two generations to ome; and their efforts will be faithfully and per sistently continued to this end.

Reparding the Eastern Railroad Company, which derives its charter from the State of Massachusetts, it may be said that it owns less than forty-two miles of main track and less than seven ty-seven miles of branches in that State; of which branches, according to the reports of its officers, only thirty-five miles are considered to have been judicious investments, or to yield directly or indirectly a profit; while thirty-seven miles are year by year run at a loss, causing a continuous drain upon the other resources of the company. As regards the results of the business over the other five miles of branches, no data is given in the reports. It may be added, that, outside of its investments in Massachusetts, that company virtually owns the Wolf borough Road in New Hampshire, twelve miles in length; which road, according to the Eastern Railroad Company's reports, is a failure, and its operation an expense.' road also owns the equity of the Portsmouth, Great Falls and Conway Railroad, another road whose net earnings are not nearly erough to pay the interest on its bonded debt, according to the same reports. Besides these, it has invested more than twelve hundred thousand dollars in the purchase of more than a third of the stock of the Maine Central Railroad Company; a corporation structions thrown in the way of their endeavors, which, to say the least, has not yet had occasion the west of the road, and but after these same stockholders, at the end of a to consider the subject of a dividend. The same Comberland Pernace tract.

company has also expended substantially two and a half millions of dollars in providing ground up-on which it may establish "suitable terminal facilities" at Boston; a sufficient commentary up-on which is the fact stated in their own words, that "the single freight house now standing on the Austin street property has abundant capacity for all the freight we are now receiving there, and for all that can be reasonably expected to arrive there for a term of years."

The Eastern Railroad Company has changed its position since 1863, from one of financial ease and comfort-paying easily the interest, and retiring year by year a portion of the principal of its debt, at the same time paying dividends to its shareholders-to one where it has increased its capital until it aggregates nearly five millions of dollars, where it has increased its debt until it nearly or quite reaches fifteen millions of dollars; these libilities together, if averaged over its forty-two miles of main track in Massachusetts, exceeding \$475,000 a mile; or, if averaged over that portion of its parent road and branches which it claims as yielding a profit, exceeding \$250,000 a mile; or, if averaged over all the miles of road in Massachusetts or elsewhere of which it owns the fee or equity, equaling substantially \$100,000 a mile. The officers of the road acknowledge by a late report that the road has suffered, by actual and es. timated losses, to the extent of nearly eight and a quarter millions of dollars. They state its net earnings for the last financial year at less than \$684,000, while its requirements to pay the interest on its mortgage debt, at the low rate of 31/2 per cent, gold, and the interest on rentals of leased roads, very much exceed this amount. This current yearly deficit will be largely augmented when the terms for paying 41/2 per cent and 6 per cent interest on its mortgage debt shall arrive.

Of the Eastern Railroad in New Hampshire we may say that it is a road important in itself, though less pretensions or magnitude than the Massachusetts road, being not quite seventeen miles in length, having a share capital of less than five hundred thousand dollars, with no funded debt, and with a floating debt of less than five hundred dol!ars. Nearly half of its capital is held in New Hampshire, and a very large part of it by those who have an interest in the Massachusetts road. Its liabilities for capital and debt average less than thirty thousand dollars a mile. Regarding its earnings all information is denied us by the Eastern Railroad Company; but your directors are sufficiently well-informed to say that they will yield an entirely satisfactory return if they can be secured. Your directors readily admit that there are many and serious difficulties which stand in the way of our enjoyment of our own; but, were the Eastern Railroad Company to show a disposition for an amicable settlement, these difficulties would vanish. We can demon-strate the value of our road, and that year by year it is yielding to the Massachusetts Company a net return of tens of thousands of dollars.

That a road in the condition which the Massachusette Company is shown to be; a road which has almost practically destroyed itself, and is not likely in the life-time of any person now in its management to pay a dividend upon its capital stock-that such a road should seek to retain the control of your road for more than sixty years to come, without yielding any rental therefor, save the possibility of a dividend when it shall pay one to its own shareholders, a contingency few if any dream as ever likely to occur again-is more than your directors think they or you are required by reason, law or common sense to expect.

A new survey of the projected Narrow Gauge Railroad to Cape May is about to be made. This will be with a view to make the road a straight line from Camden to Goshen, and from there a straight line to Cape May. This will leave Millville and Port Elizabeth about four miles to the west of the road, and run through the old

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A Mechanical Horse

An ingenious gentlemen of Berlin, Herr Freder ich Netzsch, has invented a horse. The animal is made of iron, and the motive power, instead of being its own legs, is derived from the legs of the The iron horse, as the Berlin papers calls him, showed off his paces the other day in the gar den of Hagan's Summer Theater, in the presence of the leading mechanics and journalists of the German capital. The concern is described as consisting of two wheels, two meters high; be-tween these "finds itself" the horse, upon which mounts the rider. The latter moves his legs "after the English fashion of riding," (this means, we presume, that he rises and falls in his saddle) and the thing goes slong as fast as a quick trotting horse. The road makes no difference—it is all the same whether the machine goes gently over the stones or moves swiftly on the hard highroad--and the facility with which the strange steed turned around corners excited the admiration of all beholders. Herr Netzsch believes that his invention will be of great use to porters and others for the carrying of light loads, and he has confident hopes that it will be highly appreciated by the numer-ous classes who are fond of saddle exercises but are destitute of the wherewithal to buy and maigtain horses of flesh and blood; he contemplates, too, its application to the drawing of cabs and other carriages. It is even conceivable that in this invention we have the charger of the future. An animal that does not eat and cannot die would be of inestimable value in warfare. There are one or two other significant omissions in the description from which we quote. We are not told how a man of flesh and blood is expected to support the fatigue of moving, by riding in his stirrups, a creature of iron, or if it be possible, to keep it going in any place less flat than Berlin, a city which, as everybody knows, is as level as a billiard board .- Geneva Continent.

The Coal Trade.

For the week ending on the 7th instant, the total tonnage, as reported by the several carrying companies, amounted to 859,285 tons, against 182,383 tons in corresponding week last year, an increase of 176,972 tons. The total amount of anthracite mined for the coal year is 10,172,016 tons, against 7.881,679 for same period last year, an increase of 2,290,337 tons. The quantity of bituminous coal sent to market for the week was 53,780 tons, against 61,868 tons for corresponding week last year, a decrease of 8088 tons. The whole bitu-minous tonnage from the beginning of the coal year is 1,625,036 tons, against 1,679,549 tons in corresponding time last year, a decrease of 54,513 tons. The total tonnage of all kieds of coal for the week in 418,065 tons, against 244,181 to corresponding date last year, an increase of 168,884 and the total tonnage for the coal year is 11,797,052 tons, against 9,561,228 tons to same date last year, an increase of 2,235,824 tons. The receipts at Perth Amboy for the week ending on the 7th instant were 24,404 tons, the shipments 21,881 tons, leaving a stock on hand of 181,849 tons. The quantity of coal and coke carried over the Pennsylvania Railroad for the fourth week in June was 85 269 tons of which 69,278 tons were cosi, and 15,991 tons coke. The total carried for the year is 3,317,868 tons, of which 1,181,800 tons were coal and 446,798 tons coke. These figures embrace all the coal carried over the road, east and west .- Phila. Ledger, July 16.

The Western Counties Railway Company, of Nova Scotia, have lately purchased rolling stock for the Windsor Branch and will begin working that line on the 1st of August, at which time it is to be delivered to the company by the Dominion Government.

Experiments are being made in Paterson, N. J., with oil as fuel for locomotives. It is claimed that it will answer the purpose, and that locomotives can be run at one-fourth the expense by Manufacturing Interests, this means.

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